

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

62.61
Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

FALL CATALOG

1920

Bulbs · Seeds · Plants

SPECIAL OFFER

Darwin and Breeder Tulips in Mixture

In order that our patrons may be further encouraged to plant what we consider to be the most beautiful of all the May-Flowering Tulips, and that they may see the wide range of colors that exist in the Darwin and Breeder Tulips, we have contracted with our growers to furnish us certain named varieties of the better kinds which we carefully mix in our own building, thereby giving assurance of a good color range and *offer in mixture only*.

SPECIAL S. & W. CO.'S MATCHLESS DARWIN AND BREEDER TULIP MIXTURE
80 cts. per doz., \$6 per 100, \$55 per 1,000



DARWIN AND BREEDER TULIPS IN FLOWER DURING MAY



Our display of over two hundred and fifty varieties of Spring-flowering Bulbs at the International Flower Show, New York City, March, 1915.

SPECIAL FREE DELIVERY

We will deliver all Tulips, Hyacinths, Narcissi, Crocus and Freesias listed in this catalogue if your purchase amounts to ONE DOLLAR or over, when cash accompanies the order, via Express, Parcel Post, or Freight, at our option, to your town or city, provided your home is within 500 miles of New York City.

Special Notice. This list contains all the bulbs that we are able to import according to the ruling of the Federal Horticultural Board (Quarantine No. 37).

SPECIAL NOTICE REGARDING TIME OF DELIVERY

Bulbs and roots mature and ripen at different periods during the late summer and autumn, and shipments will be made as follows in the absence of instructions to the contrary.

Our August Shipment includes *Lilium Harrisii*, *Lilium candidum*, *Freesias*, *Paper-White* and *Grand Soleil d'Or Narcissi*.

Our September or Main Shipment includes the general line of Bulbs, such as *Hyacinths*, *Tulips*, *Narcissi*, *Crocus*, *Iris*, *Peonies*, and *Callas*.

Our November Shipment consists of *Lilies*.

A WORD ABOUT QUALITY

Our business, whether in Seeds, Bulbs, Plants, Implements, Fertilizers, Insecticides, or Poultry Supplies, has always been conducted with a view to supplying the finest quality that can be had.

Our growers of Bulbs in Holland, France, Bermuda, China, and Japan realize that we are expert judges, that we pay the highest market prices, which insures proper growing on their part, and that our personally conducted trials keep us properly informed as regards their stocks.

One of the principal features of our business is to keep always a display of seasonable goods at our spacious stores, and we invite our patrons who come to New York to visit our establishment. You will find our clerks never too busy to talk with you about your wants, or to make suggestions.

GEORGE G. STUMPP, President

JULIAN H. WALTER, Treasurer

WILLIAM A. SPERLING, Secretary

Stumpp & Walter Co
NEW YORK

GIANT DARWIN TULIPS, May-Flowering

The Tulips of Milady's Garden

SEE PAGES 2 AND 3 FOR OTHER VARIETIES OF DARWIN TULIPS

When Milady on a brilliant May morning surveys her garden border planted in clumps of Darwin and Breeder Tulips, the blooms as large as the giant Cattleya orchids, the petals as thick and as massive as the water-lily, glittering and glistening in the sunlight, she will be tempted to say that these Tulips are indeed the Queens of the Spring Garden. Whether you delight in having flowers with 2- to 3-foot stems for cutting, masses of color against the background of shrubs, planted in clumps of ten or twenty-five each in the herbaceous border, or in various-shaped beds on the lawn, few other Tulips will provide such a wonderful display.

CULTURE.—Bulbs should be planted 5 to 6 inches deep and not less than 5 inches apart. Sand to the depth of $\frac{1}{2}$ inch at the base of the bulbs will amply repay the trouble by providing for drainage during wet weather. **For growing indoors** bulbs should be planted as soon as received, and the flowers appear to better advantage if pots a trifle deeper than the ordinary bulb-pans are used. We recommend what are termed azalea-pots for this purpose.

TEN FINE DARWIN TULIPS

Clara Butt. Beautiful clear salmon-pink. No other variety offered by us has the same distinctive and pleasing color. A bed of this variety makes a grand sight. Of excellent substance and borne on stems 22 inches long. **75 cts. per doz., \$5 per 100, \$48 per 1,000.**

Europe. Deep, fiery crimson, with white base. There is no more beautiful sight than a bed of this variety. Stems of medium length; flowers large and erect, the white base contrasting well when the flower opens. Height 20 in. **80c. per doz., \$6 per 100, \$58 per 1,000.**

Glow. The deepest shade of crimson-scarlet—a color of wonderful brilliance, not unlike that of the Oriental poppy. The flowers are of large size, borne on stems 20 inches long. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

Loveliness. A variety well named, and one of great merit for bedding as well as borders. Color soft carmine-rose; medium-sized flower, borne on stems 21 inches long. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

Massachusetts. A long and beautiful flower; clear carmine-rose at the midrib, toning off to soft pink at the edges, the inside of the white base delicately tinged blue; very similar in color to the variety Baronne de la Tonnaye offered last year, but larger and of more durable substance; borne on stems 26 inches long. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

Pride of Haarlem. Magnificently formed flower of immense size, brilliant, deep rose, shaded scarlet, with light blue base. This variety, perhaps the most widely known for its stately habit and glorious color, is unsurpassed for border planting or beds, sometimes attaining the height of 3 feet. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

Purple Perfection. The color of the flower is a bright, glossy purple, large in size, and of wonderful substance. A splendid variety in the border on account of its pronounced color and size; grows to the height of 26 inches. **\$1 per doz., \$7.50 per 100, \$72 per 1,000.**

Reverend Ewbank. An exquisite shade of soft lavender-violet, slightly shaded silver-gray. A variety of great merit on account of its lovely color, borne on stems 23 inches long. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

The Sultan. Rich maroon-black; a flower of attractive and distinctive coloring, approaching in color the Black Tulip of the romancer's fame. An exquisite flower of refined form and habit, growing to a height of 25 inches. **75 cts. per doz., \$5 per 100, \$48 per 1,000.**

White Queen. A splendid white variety; when first opening is pale rose but quickly turns white—a truly exquisite color. **75c. per doz., \$5 per 100, \$48 per 1,000.**



DARWIN TULIPS—(1) Europe, (2) Pride of Haarlem, (3) Clara Butt



Darwin Tulips, planted one variety to each bed; the boxwood edging proves a splendid and effective setting

GIANT DARWIN TULIPS, May-Flowering

For the herbaceous border, massed in clumps along the edge of shrubbery, or as cut-flowers for vases, these are conceded to be the superior of all the Tulips

The following list of Darwin Tulips, as well as the ten varieties offered on the preceding page, doubtless represent the best and most distinct varieties in commerce. Each year we make extensive trials and have been adding to our list every year as we find worthy ones.

- ANDRE DORIA.** Deep maroon-purple, velvety sheen, with black base; beautiful, large flower. Splendid outdoors; equally good for forcing. Height 26 in. **90 cts. per doz., \$7 per 100, \$68 per 1,000.**
- ANTON MAUVE.** Violet, with beautiful border of soft greyish white. A splendid variety for the border and for forcing. Height 26 inches. **\$2 per doz., \$15 per 100.**
- ARIADNE.** Bright rosy crimson, shaded scarlet, with blue base. The flower is large and of good substance. For outdoor planting or forcing. Height 28 in. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**
- BARONNE DE LA TONNAYE.** A long and beautiful flower; clear carmine-rose at the midrib, base toning off to soft pink at the edges; white, tinged blue. Excellent for early March forcing and just as fine for outdoor beds, where it keeps up a splendid show for a long time. Height 26 inches. **75 cts. per doz., \$5 per 100, \$48 per 1,000.**
- BARTIGON.** Fiery crimson, a very showy variety with white base. Used very extensively by florists for forcing. Height 26 inches. **\$1 per doz., \$7.50 per 100, \$72 per 1,000.**
- BLEU AIMABLE.** Pale lavender color throughout, with a white base, starred blue; not a large flower, but of an exquisite shape. Height 25 inches. **\$2 per doz., \$15 per 100.**
- BLEU CELESTE.** A Tulip of wonderful size and shape; the color is a bright violet-purple, white base tinged blue. Height 30 inches. **\$3.50 per doz., \$25 per 100.**
- CARL BECKER.** Pale rosy violet, with center flushed salmon-rose. Splendid Darwin for outdoors; equally good for forcing, but paler in color. Height 32 in. **75 cts. per doz., \$5 per 100, \$48 per 1,000.**
- CENTENAIRE.** Rich violet-rose, with a large blue center; immense flower of perfect form. Magnificent for the border; excellent for forcing. Height 32 inches. **\$1.50 per doz., \$12 per 100.**
- CREPUSCULE.** A beautiful soft rosy lilac, flushed white, white base; a very large, well-formed flower and splendid when grown in pots. Height 28 inches. **\$1.25 per doz., \$9 per 100, \$88 per 1,000.**
- DREAM.** Large flower, perfect in form, on a tall, strong stem; color rosy lilac and mauve, with claret-purple interior. A variety that combines well with the lavender-colored varieties in our catalogue. Height 24 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**
- ECLIPSE.** A deep rich glowing blood-red. Large flower of fine form; the best of its color. Height 26 inches. **\$2 per doz., \$15 per 100.**
- EDMEE (Beauty).** A beautiful shade of cherry-rose with a lighter border. On the order of Baronne de la Tonnaye, but stronger and brighter in color. Splendid border variety and good for late forcing. Height 25 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**
- EUTERPE.** A beautiful shade of mauve, edged lilac, white center, with a blue halo. A very refined color when forced. Height 26 inches. **90 cts. per doz., \$7 per 100, \$68 per 1,000.**
- ERGUSTE.** Soft violet, with a slight silvery flush; flower medium size. One of the best Darwins for forcing, keeping its refined color splendidly. Height 26 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**
- FARNCOMBE SANDERS.** A bright shade of scarlet, with a clear white base, contrasting well when the flower is fully open. A broad-petaled flower of large size. Fine for forcing or the border. Height 25 inches. **90 cts. per doz., \$7 per 100, \$68 per 1,000.**
- FAUST.** Satiny purple, with blue base; very large flower of fine form; a splendid Tulip. Height 30 inches. **\$1.25 per doz., \$10 per 100.**
- FLAMINGO.** An even tone of pale shell-pink. A very exquisitely colored Darwin, of refined coloring and form. Height 28 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**
- GIANT.** A flower of enormous size and of wonderful substance; a deep reddish purple in color, shaded violet with a white base. Height 30 inches. **\$3.25 per doz., \$25 per 100.**
- GRYPHUS.** Dark violet-purple, with a white base; a flower of splendid shape. A good border variety. Even more beautiful in color when forced. Height 26 inches. **\$1.25 per doz., \$10 per 100.**
- JUBILEE.** Blue-purple, with a white base, marked blue; a flower of large size and heavy substance. Height 29 inches. **\$2.50 per doz., \$20 per 100.**
- JULIE VINOT (Princess Elizabeth).** Beautiful, clear rose-pink, with a white base. A magnificent, large-sized Darwin of sturdy habit. Height 26 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**
- KING HAROLD.** Intense ruby-crimson, center rich black; very tall and of fine form; new and stately variety; very distinct. Height 24 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**
- LA TRISTESSE.** Deep slaty blue, with white base, very distinct in color; medium-sized flower. Height 26 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**
- LA TULIPE NOIRE (The Black Tulip).** The nearest in color to the so-called "Black Tulip." Deep maroon-black, which has a velvety sheen in the sunlight. Height 25 inches. **\$1 per doz., \$7 per 100, \$68 per 1,000.**
- LOUISE DE LA VALLIERE.** Brilliant cherry-rose, with pale blue base starred white. A very clear and beautiful color. Height 24 inches. **\$3.50 per doz., \$25 per 100.**
- MADAME KRELAGE.** Bright rosy lilac, with a pale silvery margin. A good forcing variety and excellent for the border as well. Height 28 inches. **90 cts. per doz., \$7 per 100, \$68 per 1,000.**
- MARCONI.** Deep purple when the flower first opens, gradually changing to ashy purple as the flower ages; pure white base. Height 27 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

Giant Darwin Tulips (May-Flowering), continued

MARGARET. Pale rose ground, faintly flushed white, center white, marked blue—a very delicate color; flower globular in shape, borne on a strong stem. Splendid for forcing. Height 22 inches. **75 cts. per doz., \$5 per 100, \$48 per 1,000.**

MASSENET. An exquisite shade of pale rose, with a broad margin of creamy white; base bright blue. A grand acquisition to any collection however rare. Height 30 inches. **\$3.50 per doz., \$25 per 100.**

MATCHLESS (Roi d'Islande). Soft old-rose, with a narrow white border; inside soft violet-rose with a blue base. A very beautiful soft color and one that forces splendidly. Height 26 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

MAUVE CLAIR. Soft lilac-mauve, slightly paler at the edges of petals; inside lilac-mauve, with white base. Height 26 inches. **\$1 per doz., \$7 per 100, \$68 per 1,000.**

MELICETTE. A beautiful pure lavender, shading to paler lavender at the edges, with a beautiful blue base; quite the purest lavender Darwin. A flower of large size, the outer petals reflexing. Height 26 inches. **\$1.25 per doz., \$9 per 100, \$88 per 1,000.**

MRS. POTTER PALMER. Bright purplish violet, base white; a large flower. Very attractive for border planting. Height 28 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

NAUTICAS. Dark rose, center clear violet, shaded bronze; large flower. Excellent for outdoors and good for early or late forcing. Height 30 inches. **75 cts. per doz., \$5 per 100, \$48 per 1,000.**

PALISSA. Brilliant garnet-purple, with reddish glow, white base starred blue. A very fascinating color when seen in the sunlight. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

PAINTED LADY. A pale creamy white, with a faint tinge of heliotrope, gradually becoming almost pure white as the flower ages. A very good forcing variety and excellent for the border. Height 27 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

PENSEE AMERE. Slaty violet, with a broad flush at outer petals of rosy lilac, white base. Not a large flower but of exquisite shape; splendid for the border. Height 26 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

PETRUS HONDIUS. Bright carmine-rose, with a dull blue base starred white. An unusually brilliant variety. Height 28 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

PHILIPPE DE COMMINES. A grand flower of dark, polished mahogany color, with a purple base. One of the best of the less expensive sorts in this color. Height 24 inches. **90 cts. per doz., \$7 per 100, \$68 per 1,000.**

PRINCE OF THE NETHERLANDS. Lively shade of cerise-scarlet, edged rose, with a blue base. Height 31 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

PROFESSOR RAUWENHOFF. Bright cherry-red, beautiful blue base; very large flower of wonderful substance. An excellent variety for early forcing. **90 cts. per doz., \$7 per 100, \$68 per 1,000.**

PSYCHE. Old-rose, edged white, inside lighter rose, base blue. A very grand variety for February forcing. Height 26 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

REMEMBRANCE. Pale lilac, general tone of the flower silvery. Quite distinct; large flower. Height 25 inches. **90 cts. per doz., \$7 per 100, \$68 per 1,000.**

REV. WOLLY DOD. A very fine clear blue, white base. A variety that retains its splendid color throughout the life of the flower. Height 26 inches. **\$1.50 per doz., \$12 per 100.**

RONALD GUNN. Bright shade of violet, edged pale lavender, with a conspicuous white base. A flower of splendid shape and, like most varieties near this shade, even more exquisite when grown in pots. Height 26 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

SUZON. Center of petals buff-rose, shading to blush at the margin, with white base, delicately marked blue. A strong grower of fine stately habit. Height 25 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

VALENTIN. A magnificent Tulip of large size and shapely form. A light violet with a blue base. **\$1.25 per doz., \$9 per 100, \$88 per 1,000.**

VIOLET QUEEN. Deep rose-violet, with white base; large flower of distinct, pleasing color and stately habit. Height 28 inches. **90 cts. per doz., \$7 per 100, \$68 per 1,000.**

WALLY MOES. Pale lavender when opening, edged with rosy lilac, inside dark lavender, flushed rose, with white base. Quite unlike any other variety in our list. Height 24 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

WILLIAM COPELAND. Uniform lilac-rose. A variety that was greatly admired in our exhibit of bulbs grown in pots at the New York Flower Show this year. May be forced as early and as easily as the early Tulips. The color, when grown indoors, becomes a most beautiful lavender. Height 24 inches. **\$1 per doz., \$7 per 100, \$68 per 1,000.**

WILLIAM PITT. Very dark crimson, with purplish bloom on the outer petals. Of great size and beauty. Height 24 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

ZULU. Deep, velvety purple-black; large, egg-shaped flower of very distinct form. Fine for border or forcing. Height 27 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

Superb Prize Mixture. The wonderful interest in these splendid Tulips has brought out a great many varieties too numerous for listing, except those considered the best. In addition to the varieties listed above, our mixture contains an equal proportion of many others. Brilliant effects may be obtained by the planting of this mixture of choice named sorts. **60 cts. per doz., \$4 per 100, \$38 per 1,000.**



A well-designed and pleasing display of Darwin Tulips

Old English COTTAGE TULIPS, MAY-FLOWERING

The Cottage Tulips, like the Darwins, flower late. Many of the varieties are used extensively for late bedding and are magnificent for this purpose. The pale primrose, deep yellow and splendid white varieties are often planted with the Darwins for effects of contrasts. The following list we feel sure contains most of the best varieties. Some varieties, like the Darwins, will flower a few days earlier than others, but on the whole the earliest is just at its best when the latest-flowering variety in our list is just beginning to show bloom. **For culture, treat the same as the Darwins.**

FIFTEEN FINE COTTAGE TULIPS

The following fifteen varieties have been taken from our general list and offered to our patrons who are desirous of growing a limited number of varieties.

Bouton d'Or (Golden Beauty). Deep chrome-yellow, with black anthers; splendid cup-shaped flower; grand for cutting or late forcing. Height 20 inches. Doz. 75 100 1,000 \$5 00 \$48 00

Fairy Queen. Beautiful soft rosy lilac, outer petals broadly margined amber-yellow. A variety that should be included in every collection on account of its unique and lovely color. Height 20 inches. Doz. 75 100 1,000 5 00 48 00

Daybreak. Dull mauve, with a margin of creamy white and pale green base. A very beautiful variety. Doz. 100 1,000 \$1 25 \$10 00

Gesneriana lutea. One of the best of the Gesneriana family. A bedder of unsurpassed qualities, with perfect-shaped flowers of purest golden yellow, on strong stems holding the flowers perfectly erect. Height 24 in. Doz. 75 100 1,000 5 00 \$48 00

Gesneriana spathulata, or major.

The beautiful curved flowers are brilliant scarlet, with a bluish black center, on tall stems. Height 18 inches. Doz. 75 100 1,000 5 00 48 00

Gala Beauty. (Columbus). Golden yellow, heavily marked and striped crimson-scarlet; the flower is large, with pointed petals carried on a stiff stem. A variety that is very showy for borders. Height 20 inches. Doz. 2 00 15 00

Inglescombe Pink (Salmon Queen). Beautiful soft rosy pink, slightly flushed salmon; large, globular flower of excellent form. Adapted for borders or late forcing. Height 22 inches. Doz. 75 100 1,000 5 00 48 00

Inglescombe Scarlet. A very charming variety of true Cottage type; intense scarlet. Should not be planted with Inglescombe Pink or Yellow, as they are fully 6 inches taller and resemble the Darwin type. Height 16 inches. Doz. 75 100 1,000 5 00 48 00

Inglescombe Yellow. A beautiful variety. Size, form and height greatly resemble the Darwins, so much so that it is frequently called the "Yellow Darwin." Height 22 inches. Doz. 80 100 1,000 6 00 58 00

Le Merveille.

Very large, sweet-scented flowers. Salmon-rose, laid with orange-red. A grand border variety. Height 20 inches. Doz. 75 100 1,000 5 00 48 00

Orange King. Beautiful deep orange, shaded rose, inside deep orange-scarlet with a yellow center. Height 23 inches. Doz. 80 100 1,000 6 00 58 00

Picotee (Maiden's Blush). White, margined deep rose, the color suffusing the whole flower as it ages; medium-sized flower, reflexing. A grand Tulip for the border. The sight of a large bed planted wholly to this variety is one that will not easily be forgotten. Height 20 inches. Doz. 75 100 1,000 5 00 48 00

Striped Beauty. Silvery rose, blotched and striped dark carmine and white; large, showy flower on a graceful stem. Height 18 inches. Doz. 80 100 1,000 6 00 58 00

The Fawn. The coloring is a unique shade of pale rosy fawn, changing to blush-rose. Height 20 inches. Doz. 75 100 1,000 5 00 48 00

Vitellina. Pale yellow, becoming creamy white as the flower ages; large flower of great substance and beauty; sweet-scented. Excellent forcer. Doz. 75 100 1,000 5 00 48 00



COTTAGE TULIPS—(1) Inglescombe Pink, (2) Bouton d'Or, (3) Gesneriana Spathulata or Major, (4) Picotee

Old English Cottage Tulips (May-Flowering), continued

The Cottage Tulips, like the Darwins, flower late. Many of the varieties are used extensively for late bedding and are magnificent for this purpose. The pale primrose, deep yellow, and splendid white varieties are often planted with the Darwins for effects of contrast. The following list we feel sure contains most of the best varieties. Certain varieties, like some of the Darwins, will flower a few days earlier than others, but on the whole the earliest is just at its best when the latest-flowering variety is just beginning to show bloom.

Avis Kennicott. A rich, deep shade Doz. 100 1,000
of yellow, with a
striking black base and anthers. One of the
best of the newer varieties. Height 25 in... \$0 80 \$6 00 \$58 00

Flava. Canary-yellow, large, exquisitely
formed flower with magnificent last-
ing qualities. Height 25 inches..... 1 50 12 00

Fulgens. Bright crimson, with white
center; flowers are long and
reflexed. Very showy. Height 22 inches... 75 5 00 48 00

Glare of the Garden. Bright
crimson-
red, with black center, edged yellow; large
flower of brilliant color and beautiful reflex-
ing petals. Height 18 inches..... 70 5 00 48 00

Grenadier. Brilliant orange-red. A new
Tulip of great beauty. Flow-
ers long, borne on very graceful stems.
Height, 24 inches..... 5 00 35 00

Hammer Hales. Golden brown, flushed
old-rose; inside bright
apricot, edged bronze-yellow, with a yellow
base..... 2 50 20 00

John Ruskin. Salmon-rose, edged soft
lemon-yellow, inside deep
rosy lilac; large flower of fine shape on a
graceful stem. Height 16 inches..... 1 00 8 00 78 00

Leghorn Bonnet (*Elegans lutea
pallida*). Soft prim-
rose-yellow; large flowers, slightly reflexed.
A distinct variety that should be in every
collection. Height 16 inches..... 75 5 00 48 00

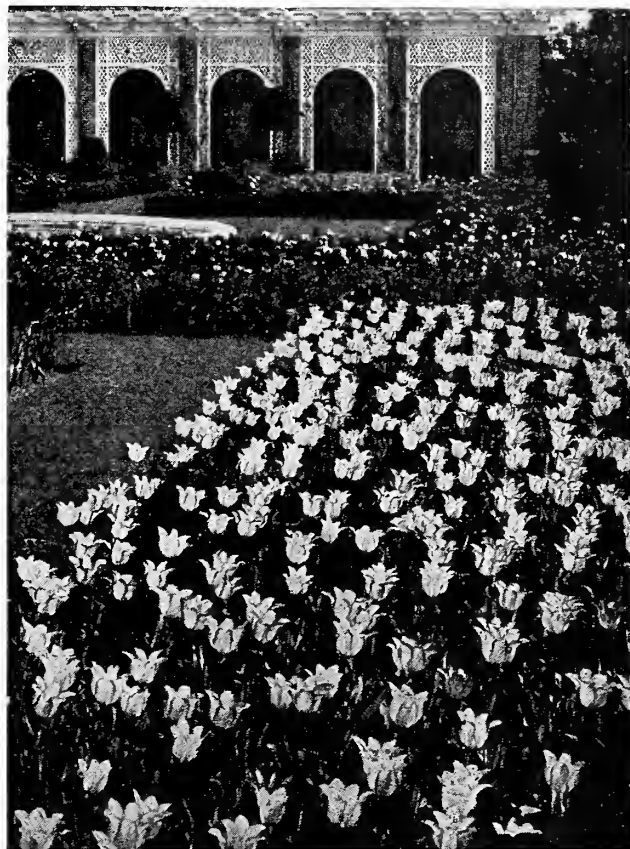
Miss Willmott. A pale primrose-yellow
of true Cottage form. A
very exquisite variety and always in good
demand on account of its delicate color.
Height 18 inches..... 70 5 00 48 00

Moonlight. Bright canary-yellow; splen-
did, large flower, oval in
shape, outer petals slightly reflexed at the
tips. An excellent yellow for combination
with the Darwin varieties. Excellent for
late forcing. Height 22 inches..... 90 7 00 68 00

Mrs. Kerrell. Beautiful light rose with
a delicate amber tinge,
center white, bordered electric blue. A new
variety of very refined coloring and shape
and destined to win a place for itself among
discriminating flower-lovers. Height 18 in.. 4 00 25 00

Mrs. Moon (*Fulgens lutea maxima*).
Deep golden yellow, large
flowers of good substance, slightly reflexing.
A famous Parisian boulevard Tulip. Height
24 inches..... 80 6 00 58 00

Quaintness. Old-gold, flushed deep rose;
inside old-gold, shaded ma-
hogany. Immense flower with very long
petals. Height 24 inches..... 5 00 40 00



A well-thought-out color arrangement of Darwin and Breeder Tulips,
with the Cottage Tulip Picotee in the foreground

Pride of Inglescombe. White, broadly Doz. 100 1,000
edged deep car-
mine-rose, white base starred blue. A long,
and exquisitely-shaped Tulip somewhat like
Picotee, but brighter in color. Very attrac-
tive planted in mass..... \$1 00 \$8 00 \$78 00

Yellow Picotee. Beautiful canary-yel-
low, margined deep
rose. A yellow counterpart to the well-
known variety Picotee. A showy bedder.
Height 20 inches 1 00 8 00 78 00

Superb Mixture. A select assortment, covering almost
every conceivable color and shade.
Those who have not grown these Tulips, and desire a mixture
for trial purposes, can depend on getting every color that
obtains in this beautiful class of Tulips. 50 cts. per doz.,
\$4 per 100, \$38 per 1,000

BOTANICAL TULIPS

CARINTA RUBRA. Rich deep crimson, center of petal striped
green. A very unusual Tulip in color and excellent for border plant-
ing where evergreens are used as a background. Height 15 inches.
75 cts. per doz., \$5 per 100, \$48 per 1,000.

KAUFMANNIANA. One of the earliest of all the Tulips to come in
flower. Creamy white, tinged rosy red, the markings varying. The
flowers are very attractive, large in size, with petals reflexing.
Blooms early in April. \$1.50 per doz., \$10 per 100.

CLUSIANA. The "Little Lady" Tulip. A lovely little variety
from Asia Minor. Grows about 8 inches high, flowers as large as a
crocus. Outer petals cherry red, inner petals white with violet
base. Should be planted 8 to 9 inches deep in light soils. \$1 per doz.,
\$8 per 100, \$78 per 1,000.

MARJOLETTI. Splendid for rock-gardens in a sheltered place.
May be forced in pots also. Blooms outdoors during late April.
75 cts. per doz., \$5 per 100, \$48 per 1,000.

DUTCH BREEDER TULIPS, May-Flowering

Breeder Tulips are very similar in habit to the Darwins, and flower at the same time. Their chief characteristic is their immense blooms, borne on strong, stiff stems, many of them longer than the most gigantic Darwins. The revival of the taste for art colors has made these Tulips, at one time very popular in England, strong favorites with American enthusiasts, who find in their bronze, buff, and brown shades excellent material for contrasting with the light and bright colors of the Darwins. They require the same cultural treatment as the Darwins.

APRICOT. Dull, bronzy buff, shaded deep apricot, base olive-green. A splendid border variety, frequently having an extra number of petals. Height 25 in. **90 cts. per doz., \$7 per 100, \$68 per 1,000.**

BACCHUS. Dark violet-blue, the outside of the petals having a darker bloom, base starred white. Quite the nearest approach to dark blue in late Tulips. Still high in price on account of scarcity. Height 28 inches. **\$6 per doz., \$45 per 100.**

BRONZE QUEEN. Soft golden bronze; large flower of sturdy habit. A very exquisite color when forced and splendid for the border. Height 28 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

CARDINAL MANNING. A splendid shade of rosy violet, with a slight edge of bronze. A splendid large-sized flower of fine form. Height 28 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

CHESTNUT (La Nuit). Very dark brown, almost a black; very effective when planted with pale yellow sorts of the Cottage Tulips. Height 24 inches. **\$1 per doz., \$7 per 100, \$68 per 1,000.**

CORIDION. Clear yellow, with a faint suffusion of lilac; a flower of very dainty color. Fine for shrubbery borders. Height 24 inches. **\$2 per doz., \$15 per 100.**

DOM PEDRO. A unique shade of coffee-brown, shaded maroon, inside rich mahogany; large flower; very fragrant. Height 21 inches. **\$2 per doz., \$15 per 100.**

FAIRY. Reddish mahogany, with bronze shading; an extra-large flower of artistic character. Splendid in borders or for late forcing. Height 24 inches. **\$2 per doz., \$15 per 100.**

GARIBALDI. One of the finest Breeders as yet introduced. Pale lilac-bronze, with a broad primrose-yellow margin. A long and graceful flower. Height 31 inches. **\$4.50 per doz., \$35 per 100.**

GENERAL NEY. Dull old-gold with olive base; large flower. Height 25 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

GOLDEN BRONZE. Rich golden bronze, with a base of old-gold; large-sized flower of a very striking color. Height 24 inches. **\$1.50 per doz., \$12 per 100.**

HAMLET. A unique shade of coffee-brown, with a faint flush of rosy purple through the center of petals, yellow base. Large size and of excellent substance. Height 26 inches. **\$1.50 per doz., \$10 per 100.**

HELOISE. A beautiful shade of dark brown, shaded old-rose; yellow base, marked olive-green. Large-sized flower of wonderful color and very prettily reflexed petals. Height 28 inches. **\$4.50 per doz., \$35 per 100.**

JULES FAVRE. Beautiful shade of deep bronze, purple flush towards center of petals. Good-sized, globular-shaped flower. Height 27 inches. **90 cts. per doz., \$7 per 100, \$68 per 1,000.**

JAUNE D'ŒUF. Ruddy apricot, inside soft yellow, with black base and anthers; very striking variety. Height 21 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

LOUIS XIV. An even tone of dark purple, with a broad margin of golden bronze; a very large flower of wonderful substance; green-black base starred yellow. A very scarce variety and one that instantly meets with favor when grown. Height 30 inches. **\$5 per doz., \$40 per 100.**

LUCIFER. Clear orange, with a rosy flush and olive base, with yellow star; very large flower on a tall stem. Height 24 inches. **\$2 per doz., \$15 per 100.**

MADRAS. Golden bronze, with dull heliotrope stripe on the outer petals, yellow base starred green. A long, good-sized flower. Height 26 inches. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

MARIE LOUISE. Old-rose, flushed orange-salmon, with purplish bloom and olive base. A very beautiful Tulip for border planting. Height 23 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

PLUTARCHUS. Bronzy yellow, with a flush of heliotrope in the center of the petals; a flower of wonderful substance and splendid form. Height 26 inches. **\$2 per doz., \$15 per 100.**

PRINCE ALBERT. Golden brown, with purple flush through center of petals, which disappears as the flower ages. Height 32 inches. **\$4 per doz., \$30 per 100.**

PRINCE OF ORANGE. Dark terra-cotta-brown, shaded yellow, with a yellow base starred black. Splendid for the border and good for forcing. Height 24 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

QUEEN ALEXANDRA. Canary-yellow, broadly flushed lilac-brown at the edges of the petals, inside clear yellow, with black anthers and brownish base. A distinct variety for out-of-doors or forcing. Height 23 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

TURENNE. Purplish brown, with a broad margin of soft yellow; very large flower and on account of its unique coloring very attractive for group planting. Height 28 inches. **\$2 per doz., \$15 per 100.**

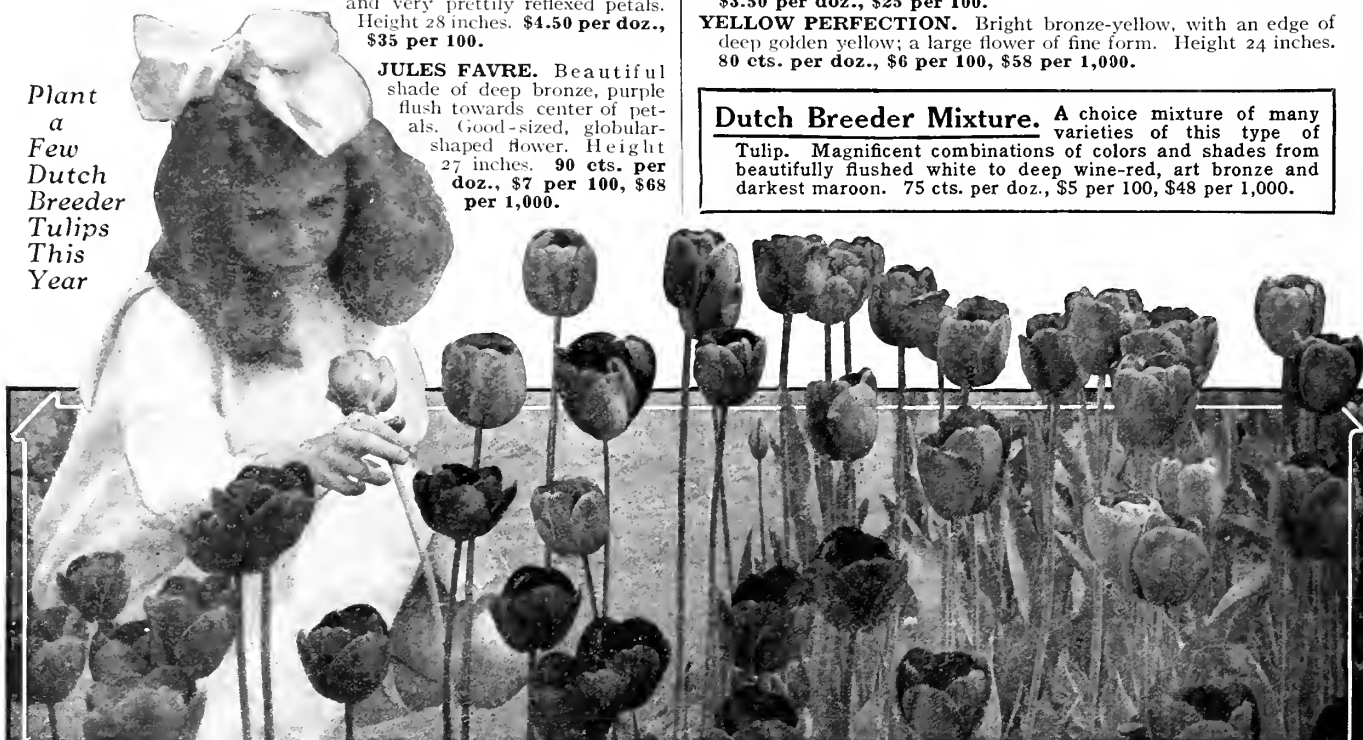
VELVET KING. Deep, glossy purple-maroon, with a white base; a flower of gigantic size, lasting a long time in bloom. A magnificent Tulip for the border or shrubbery and forms an effective contrast when planted with the light-colored Tulips. Height 28 inches. **\$2 per doz., \$15 per 100.**

WILBERFORCE. Soft apricot, edged primrose-yellow, green base. Not a large flower, but very distinct. Height 32 inches. **\$3.50 per doz., \$25 per 100.**

YELLOW PERFECTION. Bright bronze-yellow, with an edge of deep golden yellow; a large flower of fine form. Height 24 inches. **80 cts. per doz., \$6 per 100, \$58 per 1,000.**

Dutch Breeder Mixture. A choice mixture of many varieties of this type of Tulip. Magnificent combinations of colors and shades from beautifully flushed white to deep wine-red, art bronze and darkest maroon. **75 cts. per doz., \$5 per 100, \$48 per 1,000.**

Plant
a
Few
Dutch
Breeder
Tulips
This
Year



Striped and Feathered May-Flowering Tulips



Rose Bybloem Tulip, Athalia

BYBLOEM AND BIZARRE TULIPS

Bybloem and Bizarre Tulips are "rectified" Breeder types. The Tulips are of an old race which has been grown in Holland and in France since the beginning of the seventeenth century, and which caused the famous Tulip craze in 1635. The Bybloems are queerly striped and feathered rose or violet on a white ground. The Bizarres have dark brown stripes and feathering on a yellow ground. The varieties offered are the newer sorts, and the flowers are larger than the older and smaller-flowering sorts. They flower about the same time as the Breeder and Darwin Tulips but do not grow quite so tall, and are seen at best advantage when planted in clumps in the herbaceous border or among evergreens and shrubs. The stems average from 18 to 23 inches in height.

ADMIRAL KINGSBERGEN. (Rose Bybloem.) Bright crimson, feathered and flamed with white; large flower, borne on a stiff stem. **\$1 per doz., \$8 per 100.**

ATHALIA. (Rose Bybloem.) White, bordered and feathered bright rose. **75 cts. per doz., \$6 per 100.**

BLACK BOY. (Bizarre.) Yellow ground, feathered and flamed dark brown. **90 cts. per doz., \$7 per 100.**

EMPEROR DU MAROC. (Bizarre.) Bright yellow ground, feathered and flamed dark red. **80 cts. per doz., \$6 per 100.**

GLORY OF HOLLAND. (Violet Bybloem.) Pure white, feathered and flamed violet-purple. **\$1.25 per doz., \$9 per 100.**

LADY STANLEY. (Violet Bybloem.) White, feathered and striped dark violet. **80 cts. per doz., \$6 per 100.**

OVIDIUS. (Bizarre.) Reddish brown ground, feathered yellow; very attractive variety. **80 cts. per doz., \$6 per 100.**

PRINS MAURITZ. Yellow ground, variegated dark brown. **80 cts. per doz., \$6 per 100.**

REINE DE HOLLANDE. (Rose Bybloem.) White, feathered and flamed red; a very attractive and distinctly variegated Tulip. **\$1 per doz., \$8 per 100.**

ROMEA. (Bizarre.) Bright yellow, feathered and bordered with orange-red; a very striking variety of large size. **60 cts. per doz., \$4.50 per 100.**

VONDEL. (Violet Bybloem.) White ground, striped dark violet and feathered light violet. **\$1.50 per doz., \$12 per 100.**

ROSE BYBLOEM TULIPS, MIXED. **75 cts. per doz., \$5 per 100.**

VIOLET BYBLOEM TULIPS, MIXED. **75 cts. per doz., \$5 per 100.**

BIZARRE TULIPS, MIXED. An excellent mixture of choice named sorts. **75c. per doz., \$5 per 100.**

REMBRANDT TULIPS

Rembrandt Tulips are in reality "broken" forms of Darwin Tulips. Each year many of our best varieties of Darwin Tulips show a tendency to break, or become variegated. These Tulips, on account of their odd colorings and variegations, were very popular at one time, and while the modern tendency to favor self-colors is recognized generally throughout all countries, these broken forms are sometimes preferred and possess splendid decorative value. The stems average from 18 to 22 in. in height.

APOLLO. Lilac-rose and white, striped dark carmine. **75 cts. per doz., \$5 per 100.**

CARACALLA. White, striped and feathered carmine-red; a very attractive variety. **\$1 per doz., \$8 per 100.**

EROS. Soft lilac, feathered dark violet; not a large but exquisite flower. **80 cts. per doz., \$6 per 100.**

JULIENNE. Rose, striped and feathered carmine-purple and white. Edges of petals broadly blotched white makes splendid contrast with the rich color of the flower. **80 cts. per doz., \$6 per 100.**

LA COQUETTE. Violet, flamed purple and white; not a large but an exquisite flower. **80 cts. per doz., \$6 per 100.**

MARCO SPADO. White, flamed bright carmine-red; large flower. **\$1.50 per doz., \$10 per 100.**

SEMELE. White, heavily striped and feathered vivid rosy pink. A Tulip of exquisite coloring; large flower. **75 cts. per doz., \$5 per 100.**

VICTOR HUGO. Brilliant carmine, feathered white; large flower. **\$1 per doz., \$8 per 100.**

REMBRANDT TULIPS, CHOICE MIXED VARIETIES. **60 cts. per doz., \$4 per 100.**

PARROT TULIPS

Three-Year-Old
Flowering Bulbs

The petals of these Tulips have peculiarly feathered and fringed edges, and the shape of the flower, especially before it opens, resembles the neck of a parrot.

75 cts. per doz., \$5 per 100

Amiral de Constantinople. Large, red flowers, tipped with orange.

Cramoisi Brillant. Deep carmine; very handsome.

Lutea major. Large; bright yellow, with crimson and green stripes.

Markgraaf von Baden. Yellow, striped with scarlet and green.

Perfecta. Yellow and red, striped.

Rubra major. Blood-red; handsome.

Mixed Parrot Tulips. **60 cts. per doz., \$4 per 100.**



Parrot Tulips

A collection of one each of the above-named 6 sorts for 25 cts., postpaid



SINGLE EARLY TULIPS

FOR APRIL-BLOOMING OUTDOORS,
POTS AND FORCING

Few, if any, of the spring-blooming flowers rival the Tulip for brilliancy of bloom or ease of culture. For formal beds on the lawn or garden borders they are excellent subjects. They do not possess the same size of bloom and length of stem of the May-flowering Darwin, Breeder and Cottage varieties, but where early blooms are desired they are frequently used. Many of the varieties may be forced in bloom in January, while all the varieties may be easily had in flower in pots late in February or early March.

Culture.—For indoor blooming they require the same cultural treatment as Hyacinths.

Outdoor Culture.—Bulbs may be planted with good assurance of success even in early December, if the ground is open. They should be planted not more than 5 inches apart, covering the bulbs about 4 inches over the top. After the first sharp frost which forms a light crust on the surface of the soil, old leaves or litter should be spread about 6 inches thick over beds or borders to prevent frost from going deeper. Do not cover bulbs, if planted early, until the first sharp frost, as field-mice frequently nest among leaves and destroy bulbs, which is impossible if the covering is placed after the first frost.

Note.—The letters A, B and C, following the varieties indicate their relative earliness of bloom; but, with few exceptions, most of the varieties, however, bloom outdoors about the same time when planted in masses. The figures indicate the height in inches.

The following list contains the best novelties extant, as well as a complete list of the best standard varieties. We have discarded quite a number of varieties which no longer grow well.

BEST STANDARD AND NEW AND RARE VARIETIES

Augusta. B 10. An improvement on the Doz. 100 1,000
old variety Rose Gris-de-Lin,
but very much larger in size. A wonder-
ful exhibition variety.....\$0 90 \$7 00 \$68 00

Belle Alliance. B 11. Brilliant scarlet,
yellow base; large
flower. An excellent variety for early forc-
ing and does very well for bedding also... 80 6 00 58 00

Brilliant Star. A 12. Bright vermilion-scarlet, same color
as Vermilion Brilliant, but larger and of
great substance. Splendid early forcer,
flowering easily for Christmas..... 1 25 9 00 88 00

Buttercup. A very fine rich yellow, much
on the order of King of the
Yellows. A very good forcing variety.... 1 00 7 50 72 00

Cardinal Rampollo. A 11. A very
striking variety
with clear golden yellow petals which are
neatly bordered with bright orange-red. A
very early and easy forcer, one that looks
well in pans and excellent for bedding also... 1 00 7 50 72 00

Cerise Gris-de-Lin. C 11. Dark car-
mine-violet, shad-
ded fawn and margined creamy white, with
yellow base; large flowers of globular form.
A novel bedding variety, but must be
planted alone; excellent for March forcing... 1 00 8 00 78 00

Couleur Cardinal. C 12. A bright
crimson-scarlet,
with a deeper tone or bloom on the outer
petals. A bed planted wholly to this variety is
a grand sight. Grand for midseason forcing. 1 00 8 00 78 00

Cramoisi Brilliant. C 13. Glowing Doz. 100 1,000
scarlet, with yellow
base; long, narrow flowers of perfect form.
Excellent for bedding or forcing.....\$0 80 \$6 00 \$58 00

De Wet. B 16. Golden yellow, flushed
deep orange; large, sweet-
scented flower of erect habit. Quite different
in color from any other variety in our cata-
logue of early Tulips..... 4 00 30 00

Enchantress. C 10. A very novel and
attractive variety. Bright
cherry-red with a broad border of creamy
white; excellent for forcing or bedding.... 1 25 9 00 88 00

Flamingo. B 12. Carmine-rose, shaded
lighter. The petals are striped
white and very crinkled, giving the flower
a decidedly artistic appearance. A very
popular variety among florists for forcing
on account of its odd color and habit..... 1 00 8 00 78 00

Fred Moore. B 12. An improved form of
Thomas Moore. Deep,
ruddy apricot, shading at the edges of the
petals to dull orange-yellow, center marked
olive-green; medium sized flower; sweet-
scented. A lovely color when forced..... 75 5 00 48 00

Goldfinch. B 11. Pure deep yellow, re-
taining the color throughout
the life of the flower. One of the best for
bedding or forcing..... 7, 5 00 48 00

Golden Queen. B 13. Golden yellow;
large flower of extra-
fine form. Excels all existing yellows for
substance, and excellent for early forcing... 80 6 00 58 00

Single Early Tulips, continued

Ibis. B 14. Quite the finest novelty offered by us this year. A brilliant dark pink color when grown indoors. A grand exhibition variety.....\$3 50 \$25 00

Keizerkroon. A 15. Bright crimson-scarlet, edged clear, rich yellow; excellent, large flower on long stem. Fine bedder; splendid for forcing..... 75 5 00 \$48 00

King of the Yellows. A 14. Deep golden yellow; the flowers are egg-shaped, very substantial and carried on a tall stem, which makes them excellent for cutting. One of the earliest yellows which should be much more used for early forcing..... 75 5 00 48 00

Lac Bakhuyzen. A 14. Light purple-violet, with a broad silvery white margin, changing with age to violet-rose. A splendid tall grower, with pointed petals; excellent for early forcing.. 1 00 8 00 78 00

Lady Boreel (Joost Van Vondel White). B 13. Snowy white; large, long flower of splendid shape. The finest white for bedding, and superb for pots or pans. Cannot be forced so early as Pelican or White Hawk..... 70 5 00 48 00

La Reine. B 12. White, flushed faintly with pink. Used largely by florists for early forcing and a very lovely variety..... 70 5 00 48 00

La Reine Maximus. B 13. White, faintly flushed pale rose, the color deepening as the flower ages. A very fine variety..... 90 7 00 68 00

La Remarquable. C 13. Brilliant claret-purple, edged and tipped old-rose. A very large flower of elegant reflexing shape and a rather odd color among early Tulips. Good for bedding or late forcing..... 80 6 00 58 00

Le Reve (Hobbema; Sarah Bernhardt). C 14. This variety caused considerable favorable comment in our exhibit of bulbs at the New York Flower Show this spring. The color is old-rose, flushed buff; a very large, globular flower with rounded petals and carried on a strong stem. Excellent for late bedding, and retains color well if not forced before March..... 1 25 9 00 88 00

L'Esperance. B 14. Dark garnet with a purplish bloom, slightly edged old-rose. An excellent variety on account of its rather unusual color..... 1 25 9 00 88 00

Max Havelaar. Very close in color to watermelon-red; rather large, well-formed flowers. A very striking variety..... 1 25 9 00 88 00

McKinley. B 12. A beautiful tone of deep cherry-rose. A very attractive variety when forced, and also splendid for bedding..... 90 7 00 68 00

Mon Tresor. A 12. Golden yellow; the flowers are large and of a pure color. Mostly used for growing in pots or pans, for which purpose it is best; a good bedder also. One of the easiest forcers.... 1 00 8 00 78 00

Pelican. A 14. A splendid new, pure white variety, and of wonderfully large size. Excellent for exhibition; sport of the variety White Hawk..... 1 00 8 00 78 00

Pink Beauty. C 12. Bright cherry-rose, center of petals striped white. It has no equal as a bedder, for the stem is strong and the white center of the big, fleshy petals shows up very conspicuously against the broad, vivid rose edges. Does well in pans, but not before March..... 1 00 8 00 78 00

President Lincoln. B 12. Large flower of clear-magenta-violet, slightly paler in tone when grown indoors. A variety that looks well when bedded out with a pale yellow variety such as Calypso.....\$1 00 \$8 00 \$78 00

Primrose Queen. C 13. Primrose, edged canary-yellow, inside clear yellow; medium-sized flower of very graceful form..... 80 6 00 58 00

Prince of Austria. B 14. Brilliant orange-scarlet, with a clear yellow base. The flower is large and of a very attractive shade when forced. A splendid bedding variety as well.. 80 6 00 58 00

Princess Helen. B 12. Very clear, pure white; large flower. One of the best for bedding..... 75 5 00 48 00

Princess Juliana. B 12. A variety much on the order of Flamingo, but of a deeper shade of pink. Very fine for forcing..... 2 00 15 00

Proserpine. A 14. Rosy carmine, with a white center marked slate-blue; a very large globular flower. One of the easiest and earliest forcing Tulips; very sweetly scented. Good bedding variety also. 1 25 9 00 88 00

Queen of the Netherlands. B 13. Beautiful pale rose flower of large size. One of the finest pale pink Tulips for bedding. Good for forcing, retaining its delicate color well if not forced too hard..... 75 5 00 48 00

Rising Sun. B 15. A new variety used for exhibition on account of its pure yellow color, and wonderful size and substance. The finest golden yellow early Tulip introduced to date..... 1 25 9 00 88 00

Rose Luisante. C 10. Brilliant, deep rose-pink; large flower. Splendid for bedding, or pots or pans when forced late..... 1 00 8 00 78 00

Sir Thomas Lipton. B 12. Dark scarlet, with a yellow base, marked olive-green. A flower of good substance and large size. A sport of the once popular Pottebakker Scarlet, but much superior..... 80 6 00 58 00

Van Der Neer. B 12. Deep dark purple; a flower of a most brilliant tone and splendid shape. A wonderful color out-of-doors..... 1 25 9 00 88 00

Vermilion Brilliant. A 12. Bright, glistening scarlet, with a yellow base; very large flower of perfect shape. Splendid for early forcing... 1 00 7 50 72 00

White Hawk. B 12. Lovely pure white, very large, globe-shaped, of great substance, exquisitely formed, with crinkled petals. A very early forcer..... 90 7 00 68 00

Yellow Prince. B 12. Clear golden yellow. A large flower used by florists for early forcing or bedding.... 75 5 00 48 00

Yellow Queen. B 14. Deep primrose-yellow, shading to soft canary at the edges; very large flower of graceful form. An improved form of Primrose Queen..... 5 50 40 00

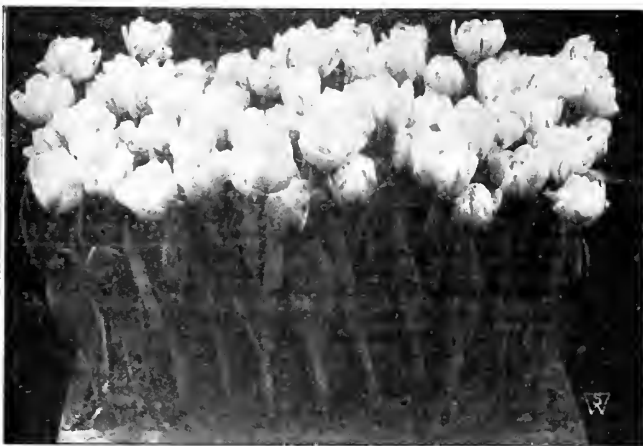
S. & W. Co.'s Special Mixture. A mixture consisting of 25 named varieties, blended so as to give an assortment of all possible colors and shades, all of vigorous habit and large size, uniform height and time of blooming. 60 cts. per doz., \$4 per 100, \$38 per 1,000.

DOUBLE EARLY TULIPS

FLOWERS JUST AFTER EARLY TULIPS, IN LATE APRIL

Double Tulips are chiefly grown for their showy effects in masses, and are very lasting. Where a display of color is desired they are very satisfactory. Excellent for growing in pots or pans, but should not be forced into bloom very early.

The following list contains many of the best tested novelties, as well as all worth-while standard sorts.



Double Tulip, Murillo

Boule de Neige. B 10. Beautiful, large, full flower of glistening white; greatly resembling a peony in form. Excellent for bedding or forcing.....	Doz.	100	1,000
Cochineal. C 10. Rich, brilliant scarlet; the largest and one of the best double scarlets. When forcing this variety, as well as any other scarlet, care should be taken to have them come slowly, to avoid green tips.....	\$o 75	\$5 00	\$48 00
Couronne d'Or (Crown of Gold). B 10. Large, bold flower of rich golden yellow, shaded copper. Excellent for bedding and winter forcing.....	90	7 00	68 00
El Toreador. B 12. Bright orange-scarlet, with a broad margin of buff-yellow. Excellent for pots or bedding. I 25	9 00	88 00	
Golden King. A 12. Soft canary-yellow shaded deeper yellow. Very fine for forcing or bedding.....	I 00	8 00	78 00
Imperator Rubrorum. B 10. Excellent scarlet for bedding and forcing. Still remains among the best of the older varieties.....	I 00	8 00	78 00
Lac Van Haarlem. C 13. Brilliant rosy violet; large; splendid form. Excellent for pots or bedding....	I 25	9 00	88 00
Lord Beaconsfield. B 12. Brilliant rosy carmine; large flowers of distinct shape. Excellent for forcing or bedding.....	75	5 00	48 00
Matador. C 10. Glowing scarlet, the purple bloom on the outside of the petals and the perfect egg-shaped flowers make it one of the handsomest of the red Double Tulips. It forces easily, and is excellent for cutting as well as growing in pots..	90	7 00	68 00
Murillo. C 12. Delicate rose-pink, flushed white. Fine for bedding, and excellent for forcing.....	80	6 00	58 00
Peach Blossom. C 12. Bright rose-pink, flushed white, deepening with age to carmine-rose; large. A sport of Murillo. Excellent for pots.....	4 00	30 00	

Queen Emma. B 12. Vivid cherry-rose, center of petals striped white; resembles in color the fine variety Pink Beauty in Single Tulips. Very fascinating on account of its color..... \$o 80 | \$6 00 | \$58 00 |

Safrano (Brimstone; Tea Rose). B 12. This variety is a sport of Murillo; flowers open pale yellow, flushed salmon, but develop a rosy apricot in a day or so. Fine for forcing..... 90 | 7 00 | 68 00 |

Salvator Rosa. B 12. Beautiful deep rose, slightly flushed white. Excellent for beds or forcing..... 90 | 7 00 | 68 00 |

Schoonoord. B 12. A beautiful, pure white sport of Murillo, with the same excellent forcing qualities. One of the best, if not the best white double.... 75 | 5 00 | 48 00 |

Tournesol. RED and YELLOW. B 11. A very showy Tulip; bright scarlet, with broad yellow tips and yellow base; very large, double flower. Easy forcer..... 90 | 7 00 | 68 00 |

Van der Hoef. C 12. A beautiful pure yellow sport of the variety Murillo. A very fine new variety for forcing..... I 00 | 8 00 | 78 00 |

Vuurbaak. B 12. Brilliant scarlet, when fully open the flower gets an orange hue. One of the best scarlets for bedding owing to its sturdy stem..... 90 | 7 00 | 68 00 |



Double Tulip, Couronne d'Or

S. & W. Co.'s Special Mixture. A mixture consisting of 15 named varieties, blended so as to give an assortment of all possible colors and shades, all of vigorous habit and large size, uniform height and time of blooming. 60 cts. per doz., \$4 per 100, \$38 per 1,000.

TOP-ROOT EXHIBITION HYACINTHS

Every year our growers prepare to select the finest grade of Hyacinths for us for exhibition. These bulbs are of maximum size, and fully aged for this purpose. The varieties listed below are grown especially for us, and intending exhibitors at the International Flower Show next spring will be interested in our selection of varieties which we believe, when grown for exhibition, should capture First Premiums. The Hyacinth enthusiast who is interested in novelty varieties will also find this list valuable.

The following list of Hyacinths is arranged to color and also according to the scale of colors. The first variety in each group represents the palest tone of its class. In growing for exhibition, it is always advisable to grow several varieties of each class.

Arentine Arendsen. The spike is unusually well filled and has a perfect round shape. The broad wide-open petals are of intense whiteness.

Correggio. Another good exhibition white which produces a large spike of perfect shape. Bells large.

General Vetter. Opens pale blush-white, changing to almost pure white. Resembles the Grand Maitre type of bloom.

La Grandesse. Another good standard white similar in habit to Arentine Arendsen. Long spike but bells are somewhat more compact.

De Wet. A pale pink sport of Grand Maitre; quite the lightest pink in our list.

Lady Derby. A very good salmon-pink and one that grows very well. Darker than De Wet; long spike, bells well placed.

Queen of the Pinks. A very lively shade of bright pink and has a splendid well-formed spike, if not forced too hard.

Marconii. This grand novelty is much like Queen of the Pinks, in color; the spike is broader, but well filled and nicely formed. 40 cts. each, \$4.50 per doz., \$30 per 100.

La Victoire. Without a doubt, the finest brilliant scarlet-red in cultivation, although paler when forced.

Electra. An immense, pyramidal truss of pale blue; very fine and the palest in our list.

Enchantress. Another pale blue variety which does equally well for exhibition; a trifle darker than Electra.

Dr. Lieber. Deep porcelain-blue, very much like the old Charles Dickens. A splendid grower with a good spike. 40 cts. each, \$4.50 per doz., \$30 per 100.

General Van der Heyden. A unique shade of lilac-blue; an excellent truss of large, shiny bells.

Grand Maitre. A leading deep lavender-blue. The bright blue bells form an elegant, somewhat loose spike of immense size and perfect shape.

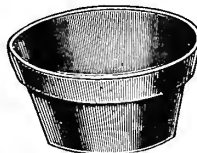
King of the Blues. One of the largest flowers; splendid, well-finished truss of a most brilliant shade of indigo-blue.

Menelik. The darkest blue in our list, the best of the so-called blacks. Produces a large bulb and, if not forced too hard, a long spike.

Lord Balfour. A unique shade of lilac-rose, tinged dark violet, a distinct color; broad spikes of big, waxy bells. Best variety of violet shades.

City of Haarlem. Undoubtedly the finest yellow for exhibition. Soft Naples-yellow, shaded deeper.

Prices of any of the above varieties, except where noted, 35 cts. each, \$3.50 per doz., \$25 per 100



AZALEA POTS

These pots are better adapted for growing Hyacinths for exhibition than those generally used. Being deeper than bulb-pans, they permit better root growth and insure better spikes of bloom. For sizes and prices see page 35.



A display of Exhibition Hyacinths and Giant-flowering Crocuses



MATCHLESS BEDDING HYACINTHS

Special named varieties in distinct shades of color, to flower at the same time

BULBS MEASURE 7 TO 8 INCHES IN CIRCUMFERENCE

The Hyacinth chosen to represent each of the following shades of color is a variety which, we have found from trials, will be best in the three essential requirements: Best in its color; stoutest stem; largest truss of bells; so our customers will know that we have avoided using such varieties that are of weak stem, and that do not support the blooms.

CULTURE

These Hyacinths should be planted from 6 to 10 inches apart, and covered with at least 4 inches of soil from the top of the bulb. For beds or borders close to the conservatory or dwelling, 6 inches will make a fine display; but where the beds are planted to be viewed from a distance, they may be planted 10 inches apart. Hyacinths planted alternately with narcissi produce a most graceful effect, and for this combination 6 inches from bulb to bulb is also a very suitable distance. It is advisable to cover, after the bulbs have been planted, with leaves or some heavy material that will prevent them from freezing or being affected by early spring frosts after they have started.

Hyacinths, as well as narcissi, should be planted by November 1 in this latitude, as they are the better for early planting. Tulips may be planted up to December 1, weather permitting.

Delivered (by Express or Parcel Post) anywhere in the United States

	Doz.	100	1,000
Matchless Bedding Scarlet	\$1 25	\$9 00	\$85 00
Matchless Bedding Pink	1 25	9 00	85 00
Matchless Bedding Light Blue	1 25	9 00	85 00
Matchless Bedding Dark Blue	1 25	9 00	85 00
Matchless Bedding Pure White	1 25	9 00	85 00
Matchless Bedding Mauve	1 25	9 00	85 00
Matchless Bedding Deep Yellow	1 25	9 00	85 00

Suggestions for Effective Color Combinations

1. Matchless Bedding Pink and Light Blue.
2. Matchless Bedding Light Blue and Deep Yellow.
3. Matchless Bedding Light Blue and Dark Blue.
4. Matchless Bedding Dark Blue and Deep Yellow.

SELECTED FIRST-SIZE HYACINTHS

Any good soil will grow Hyacinths, but they do best in a rich, light one. **Our Matchless Bedding, Selected First-Size and Named Exhibition Hyacinths** may be planted singly in a 5-inch pot, or four bulbs of one variety to a 7- or 8-inch bulb-pan, a piece of broken pot placed across the hole in the bottom, then a layer of moss about an inch deep to provide proper drainage. Place the bulb in the pot so as to be about half an inch below the surface of the soil. Remove all the offsets from the bulb before potting, and have the soil come up to within an inch from the top of the pot to permit watering when bulbs are growing. Bulbs so potted may be "plunged" out in the open garden and covered with about 6 inches of gravel or ashes. This will admit of their getting the proper amount of moisture and still prevent damage by frost. See that there is a firm bed of ashes beneath the pots, so as to prevent the entrance of worms. They may also be put in a coldframe, or cool cellar, and kept well watered. Should be kept out about **twelve weeks**, except Roman Hyacinths, which take only about **nine weeks** to develop **fibrous roots**, which are essential to the proper development of large spikes of bloom. A very frequent mistake is made in bringing the bulbs into the light too soon, resulting in a failure to bloom, or else weak spikes. After lifting, see that the temperature for the first two weeks is quite low (50 degrees) until the top-growth has nicely developed, when they may be forced according to one's needs. By keeping near to the glass so as to avoid becoming drawn, with a liberal supply of air, strong spikes of bloom may be had. **Avoid**, under all circumstances, **direct bottom heat**.

The figures, 1, 2, 3, 4, indicate relative time of blooming—1 being early; 4 the latest.

SINGLE PINK, ROSE AND RED

GARIBALDI. 1. Deep crimson-red; large spike. Con- Doz. 100 sidered one of the best reds for early forcing.....	\$2 00	\$15 00
GERTRUDE. 3. Dark pink; compact spike. Fine for pots. 2 00	15 00	
GIGANTEA. 2. Light pink; large truss. Fine for pots.... 2 00	15 00	
LADY DERBY. 1. Clear rose-pink; splendid spike, with large bells. Excellent forcing variety; quite the finest of all the rose-pink Hyacinths.....	2 50	18 00
MORENO. 1. Bright rose; heavy truss; large bells..... 2 00	15 00	
ROI DES BELGES. 1. Clear rosy carmine; medium-sized but compact truss..... 2 00	15 00	

SINGLE BLUE, PURPLE AND VIOLET

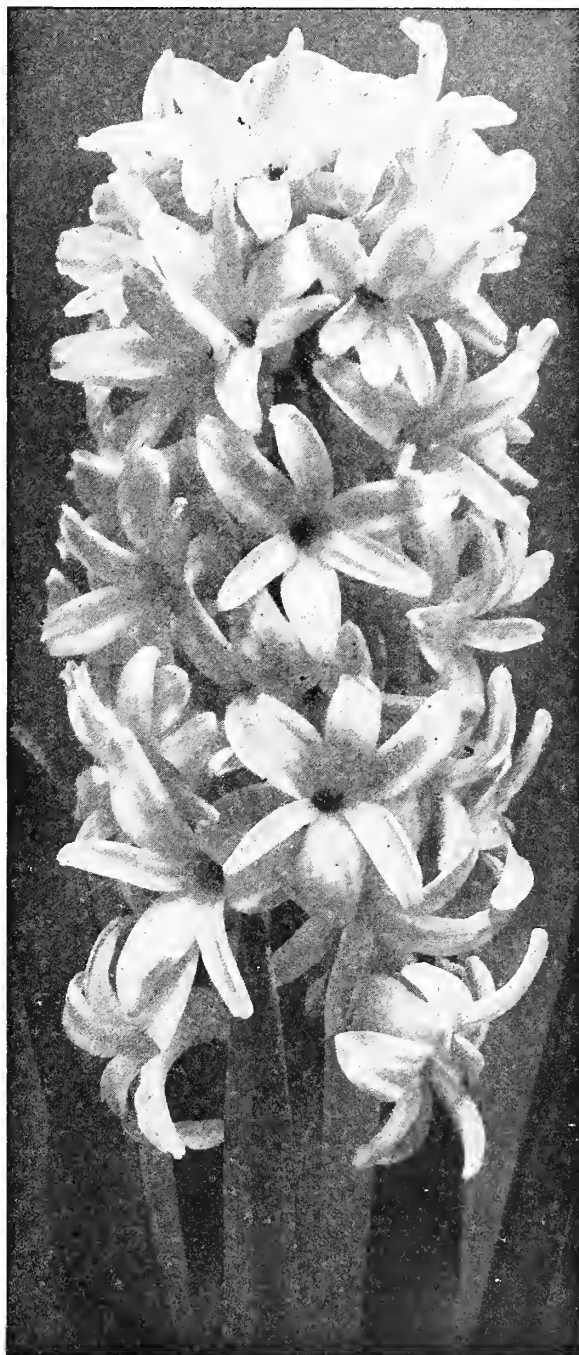
ENCHANTRESS. 2. Delicate porcelain-blue, flushed paler; Doz. 100 unusually long and full spike with large bells.....	\$2 50	\$18 00
GRAND MAITRE. 2. Dark lavender-blue; large bells and very long, well-filled truss on an unusually strong stem... 2 00	15 00	
KING OF THE BLUES. 3. Rich, dark blue; splendid spike and bells. Fine for late forcing..... 2 00	15 00	
LORD BALFOUR. 1. Lilac-rose, tinged dark violet, a distinct color; broad spike..... 2 50	18 00	
PERLE BRILLANT. 1. Light lavender-blue, a very handsome sort. Fine for pots and early forcing..... 2 50	18 00	
SCHOTEL. 1. Soft blue, shaded lilac; fine, large spike and bells..... 2 00	15 00	

SINGLE WHITE AND BLUSH

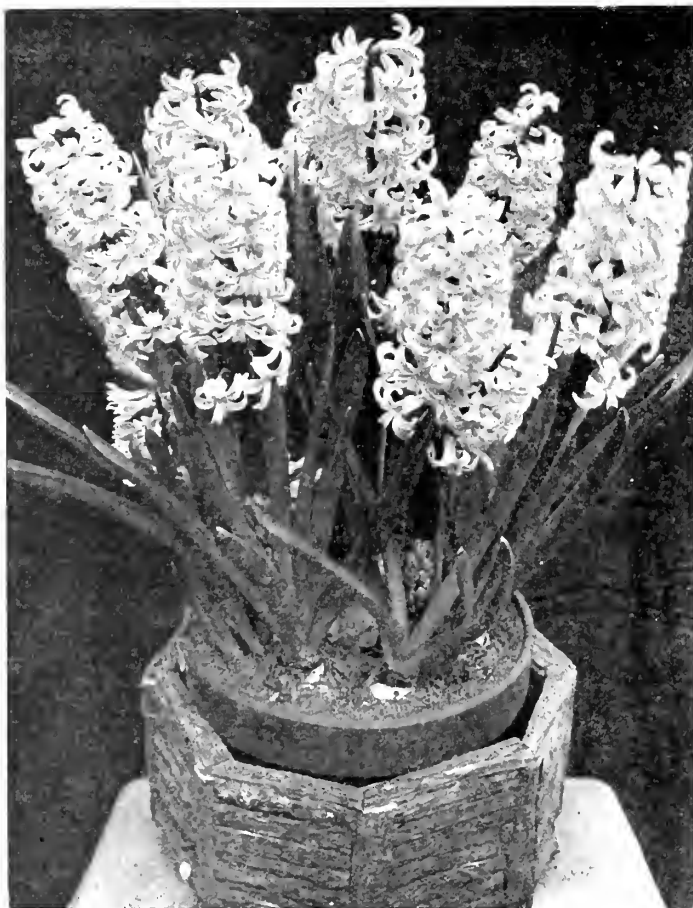
ARENTEINE ARENDSSEN. 1. Pure snowy white; rather Doz. 100 open, wide-petaled bells carried on narrow, well-filled spike.....	\$2 00	\$15 00
GENERAL VETTER. 2. Blush-tinted bells; long, well-formed spike..... 2 50	18 00	
LA GRANDESSE. 3. Pure white; long, full spike of perfect form, with waxy bells. Considered the best standard white for forcing..... 2 00	15 00	
L'INNOCENCE. 2. Pure white; excellent truss, with large bells of great substance. One of the best Hyacinths for pot culture..... 2 00	15 00	

SINGLE YELLOW

BUFF BEAUTY. 2. Pale yellow, striped dark straw yellow, Doz. 100 with a flush of rosy flesh on the back of the bells. Long narrow truss, with good bells and stem.....	\$2 00	\$15 00
YELLOW HAMMER. 3. Creamy yellow; fine, compact spike and large bells. One of the best standard yellows for pot culture..... 2 00	15 00	



Single Hyacinth, La Grandesse



Miniature Hyacinths

Miniature Hyacinths

(DUTCH ROMANS)

The following method of growing Hyacinths for winter-flowering in the house has given the most satisfactory results. A number of florists use it for creating something new in the line of an Easter display, with the result that there is always a much greater demand than supply, owing to the beautiful display the Hyacinths in pans make. The secret of acquiring success is simply the following: Plant only one kind in a pan, in order to have them all bloom at once, and to have them all the same shade. The following varieties are the best sorts. By planting 10 to 12 bulbs of any one variety mentioned, in a pan 8 to 9 inches in diameter, and following the directions for planting in pots, the most satisfactory results will be obtained. In ordering bulbs for this purpose, be sure to mention Miniature Hyacinths.

Gertrude. Fine pink.

La Victoire. Bright red.

Gigantea. Pale pink.

La Grandesse. Pure white; large spike.

Grandeur a Merveille. Blush-white.

Baroness Van Thuyll. Snow-white.

Grand Maitre. Bright blue.

King of the Blues. Dark blue.

Queen of the Blues. Porcelain-blue, extra fine.

Price of any of above varieties, \$1 per doz., by mail, postpaid; or \$6 per 100 by express, prepaid



The Purity Freesias illustrated here were grown from our bulbs at Lakeside Gardens, Elberon, N. J., during the spring of 1913

GIANT FREESIAS

Without doubt the most sweetly scented flower grown; a single bloom permeates the living-room with its delicate perfume. Although they are quite popular and very easily raised, we would suggest the following treatment:

Procure the bulbs as early as possible, and plant them in successive batches from August to October, using from six to twenty-five bulbs for a single pan. The soil should be a mixture of loam, to which must be added leaf-mold and sand. The bulbs planted early, say August and September, may be placed outdoors in a sheltered spot until cold weather sets in; of course they must be regularly watered and kept growing all the time. In October, before frosts appear, the pots should be placed in frames, if possible, or near the window of an unheated room. Not before November must the young plants be brought to gentle heat, and if thus cared for they will flower perfectly in January. The foliage of the Freesias is very fine and slender and must be supported with light stakes placed around the outer edge of the pans. The glistening, pure white flowers are borne on long stems, and are very valuable for cutting.

The Fardel Colored Hybrids

The popularity of colored Freesias has been very noticeable of late years. Unfortunately many of the new named varieties that have been offered have been weak growers, bearing small inferior blooms. This strain has been developed from best varieties; all resultant crossings that have bloomed and been found inferior have been removed.

	100	1,000
All Yellow Shades Mixed	\$8 00	\$75 00
Blue and Violet Shades Mixed	8 00	75 00
Mauve, Pink and Lavender Shades Mixed	8 00	75 00
Various Shades Mixed	7 00	65 00

S. & W. CO.'S IMPROVED PURITY

Through painstaking effort our grower of Freesia Purity has maintained such a quality in our strain of this very desirable cut-flower by careful selection as to justify us in offering it as an improved strain, as compared to many of the strains indiscriminately grown and offered today.

	Doz.	100	1,000
Monster bulbs	\$0 75	\$5 00	\$45 00
Jumbo bulbs	60	4 50	40 00
Mammoth bulbs	50	3 50	30 00

Polyanthus Narcissi

VARIETIES FOR EARLY FORCING

Not for Outdoor Planting, except south of the Carolinas

We have decided to discard all the varieties of these Narcissi that are usually grown in Holland and would recommend our patrons to make selections from the Poetaz type listed on page 19 of this catalogue. The varieties **Paper-White Grandiflora**, **Grand Soleil d'Or**, and **Double Romans** we list below. These are grown for us in the south of France. They arrive in this country in August and are used principally by the florists for forcing. As these varieties are matured earlier in the south of France than in Holland, they may be brought in flower in the house or greenhouse in December or January, if potted up in September.

Gloriosa

A new variety similar in character to Grand Soleil d'Or, but with white flower and yellow cups. Very good for early forcing. **\$1 per doz., \$8 per 100, \$75 per 1,000.**

Grand Soleil d'Or

A very popular yellow bunch-flowering variety of the Polyanthus type. Flowers a clear, sunny yellow, with bright orange cups. Excellent for early flowering indoors. **\$1 per doz., \$8 per 100, \$75 per 1,000.**

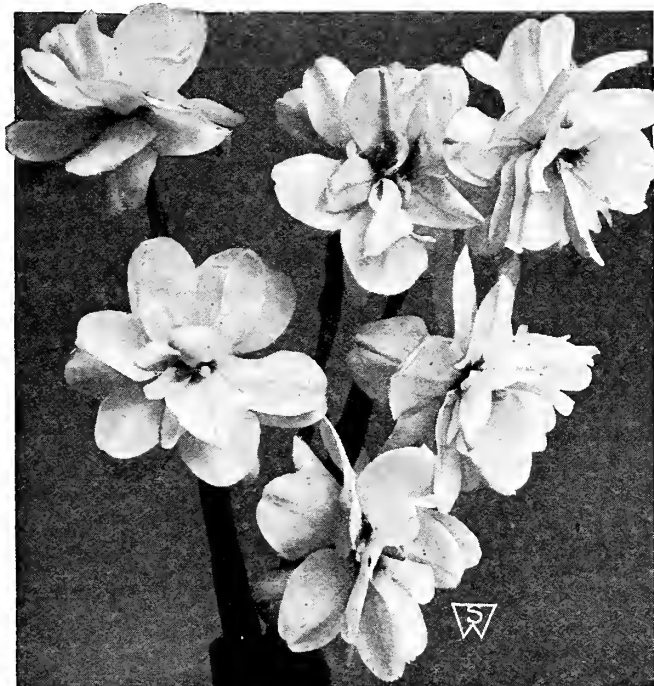
Varieties Suitable for Growing in Water GIANT PAPER-WHITE GRANDIFLORA

This large-flowering Paper-White Narcissus is such an improvement over the ordinary Paper-White that we have decided to discontinue the sale of the latter. It can be had in bloom from Christmas to Easter. Plant bulbs in shallow boxes or pots so that they almost touch each other, and store in a cool cellar or shed until rooted. By bringing into the light during early November they may be had in bloom for Christmas. Excellent results can be obtained by growing in bowls of water and pebbles or moss, the same as the Chinese Sacred Lily. Prepaid by mail or express to your home.

	Doz.	100	1,000
Jumbo bulbs	\$0 75	\$5 00	\$45 00
First Size	60	4 00	35 00

GLASS BOWLS. For three bulbs of Paper-White Grandiflora Narcissi or Double Roman Narcissi. **35c each, \$3.50 per doz. For 6 bulbs, 50c. each, \$5 per doz.**

PEBBLES. Carefully screened and selected. **Quart box 20 cts., 2 qts. for 35 cts.**



Double Narcissi, Alba-plena odorata



Paper-White Grandiflora Narcissi growing in water

Double Narcissi

DAFFODILS

The Double-flowering Daffodils offered in our list may be planted outdoors, but are admirably adapted for indoor growing in pots and pans, or may be forced in flats for cutting purposes.

Von Sion. B

This, the most popular of the Double Narcissi, is famous as the Old Double Yellow Daffodil. Rich golden yellow perianth and trumpet. This is one of the best winter-flowering and forcing sorts. Height 18 inches.

S. & W. Co.'s Exhibition Grade. This grade of Double Von Sion is selected specially for us from the **very largest double-nosed bulbs**, and are what is termed top-roots. Our large importations of this variety make it possible for us to secure this very fine grade of bulbs. Three bulbs planted in an 8-inch bulb-pan make an excellent show, and give four or five strong and perfect blooms.

	Doz.	100	1,000
Jumbo Exhibition Grade	\$1 25	\$8 00	\$75 00
Mammoth Double-nose. Will produce two or three fine flowers.....	1 00	7 00	65 00
Selected Single-nose. Will produce one fine flower.....	90	6 00	55 00

OTHER DOUBLE NARCISSI

Alba-plena odorata (The Double White Poet's Narcissus, or Gardenia-flowered Daffodil). D. Double, snow-white, gardenia-like flowers exquisitely scented. Height 15 inches. **10 cts. each, 75 cts. per doz., \$5 per 100, \$45 per 1,000.**

Orange Phoenix (Eggs and Bacon). D. Beautiful, double, white flowers, with orange nectary. Splendid for pot culture and cutting, and for garden decoration. Height 17 inches. **10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.**

Sulphur (or Silver) Phoenix (Codlins and Cream). D. Large, creamy white flowers, sulphur nectary. Exquisite corsage flower; fine for growing in pots. Height 18 inches. **10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.**

NARCISSI or DAFFODILS

No garden would be complete without the Narcissus or Daffodil. The innumerable positions in the garden in which their use may be availed of is responsible for their popularity. It is not only for garden culture that they are largely used, but many of the varieties are extensively grown in pots or pans for indoor decoration during late winter months. Some varieties in our list may be forced into bloom as early as January. Their simple beauty of form, dignity of habit, elegance of bloom and ease of culture, account for the new interest amounting to enthusiasm of flower-lovers all over Europe. Each year we are greeted with a profusion of novelties, many of which, on account of the high prices, are not available for immediate use. Our list, which is quite replete with many of the novelties, all of which have been favorably commented on in our Exhibit at the International Flower Show this past spring, is worthy of a trial. Whether you intend to purchase varieties for outdoor or indoor culture, for cutting or for exhibition, the varieties offered will be found quite adequate.

All the varieties of Narcissi or Daffodils offered in our catalogue, with the exception of the Polyanthus Narcissus and such other few sorts as are especially noted, are perfectly hardy, and will continue to flower outdoors each year if given a congenial location and not disturbed. Where they are used for bedding, and must be lifted, it is wise to permit bulbs to remain after flowering until the foliage turns brown down to the ground, then lifted, and the earth shaken from the bulbs; they should be stored in a cool, dry place. Narcissi, like hyacinths, should be planted by early November, and should not be allowed to remain out of the ground so long as tulips, which may be planted up to hard frost.

CULTURE.—Owing to the various sizes of the bulbs, it is not advisable to state the exact depth to plant, but the simple rule of covering the bulb one and a half times its own depth, and making the distance between the bulbs 3 to 4 inches for the smaller sorts and 5 to 6 inches for the larger ones, is a good one. For greenhouse or window-garden culture treat them the same as hyacinths, except that three or more bulbs of one variety should be planted in a pot, and not single specimens.

Where a succession of blooms is desired for outdoors as well as indoors, we have arranged the following code: A, first early; B, second early; C, midseason; D, late; E, very late.

NOTE.—In describing Daffodils, Narcissi, etc., we have referred to the "perianth" and "trumpet," "crown" or "cup." The "perianth" is the surrounding row of petals or wings, and the other terms apply to the central funnel-like tube.

Giant Trumpet Varieties, Including New and Rare Sorts

The flowers of the Giant Trumpet varieties are of large size; the "perianth," or wing-like petals, according to the variety, measure from 2 to 4 inches across, and the "trumpets," or central funnel-like tubes, vary from 3 to 4 inches in length. Flowers are borne on strong, stiff stems, which vary in height from 12 to 18 inches, according to the variety.

Albicans. Discarded. Mme. de Graaff recommended instead.

Alice Knights. White perianth with gracefully twisted petals; creamy white trumpet, slightly recurving and elegant form. Quite the earliest-flowering White Trumpet for outdoors or pots. **75 cts. each, \$7.50 per doz., \$60 per 100.**



Various Narcissi

Cornelia. B. A uniform soft yellow, the perianth being broad and smooth with a well-expanded trumpet. Splendid exhibition sort. Height 18 inches. **20 cts. each, \$2 per doz., \$15 per 100.**

Duke of Bedford. B. White perianth, with loose, spreading petals and long, deep yellow trumpet well frilled at the mouth. The marked contrast in color between the deep trumpet and the glistening white perianth is very effective. A splendid exhibition sort. Height 16 inches. **40 cts. each, \$4 per doz., \$30 per 100.**

Emperor. C. Perianth deep primrose-yellow, trumpet rich yellow; a very large flower of wonderful substance. Excellent for naturalizing or forcing. Height 18 inches.

	Doz.	100	1,000
Jumbo bulbs.	\$1 25	\$8 00	\$75 00
Mammoth bulbs.	1 00	7 00	65 00
First-size, round bulbs.	90	6 00	55 00

Emperor (French-grown). A strain of the above described variety grown in the south of France and used here for early forcing. **\$1.50 per doz., \$9 per 100, \$85 per 1,000.**

Empress. C. White perianth of great substance; trumpet rich chrome-yellow. Very showy for the border or for naturalizing. Does equally well forced. Height 18 inches.

	Doz.	100	1,000
Jumbo bulbs.	\$1 25	\$8 00	\$75 00
Mammoth bulbs.	1 00	7 00	65 00
First-size, round bulbs.	90	6 00	55 00

Glory of Leyden. C. Perianth pale yellow, broad and spreading, very long trumpet of golden yellow; enormous flower of great vigor and substance. An especially fine variety for borders and excellent for pot culture. Should not be forced hard. Must be planted early. Height 15 inches. **15 cts. each, \$1.50 per doz., \$10 per 100.**

Glory of Noordwijk. B. One of the best and most attractive of the Bicolors; perianth sulphur-white, trumpet chrome-yellow, very long and elegantly reflexed at the brim; of good size and substance. Grand for pots or cutting. Height 14 inches. **15c. each, \$1.50 per doz., \$10 per 100.**

Golden Spur. A. A very good variety, both perianth and trumpet being of a rich yellow color; foliage very broad and striking. It is of unusually robust habit and unsurpassed for garden, pots, or forcing. Early and extremely free flowering. Height 18 inches.

	Doz.	100	1,000
Jumbo bulbs.	\$1 25	\$8 00	\$75 00
Mammoth bulbs.	1 00	7 00	65 00
First-size, round bulbs.	90	6 00	55 00

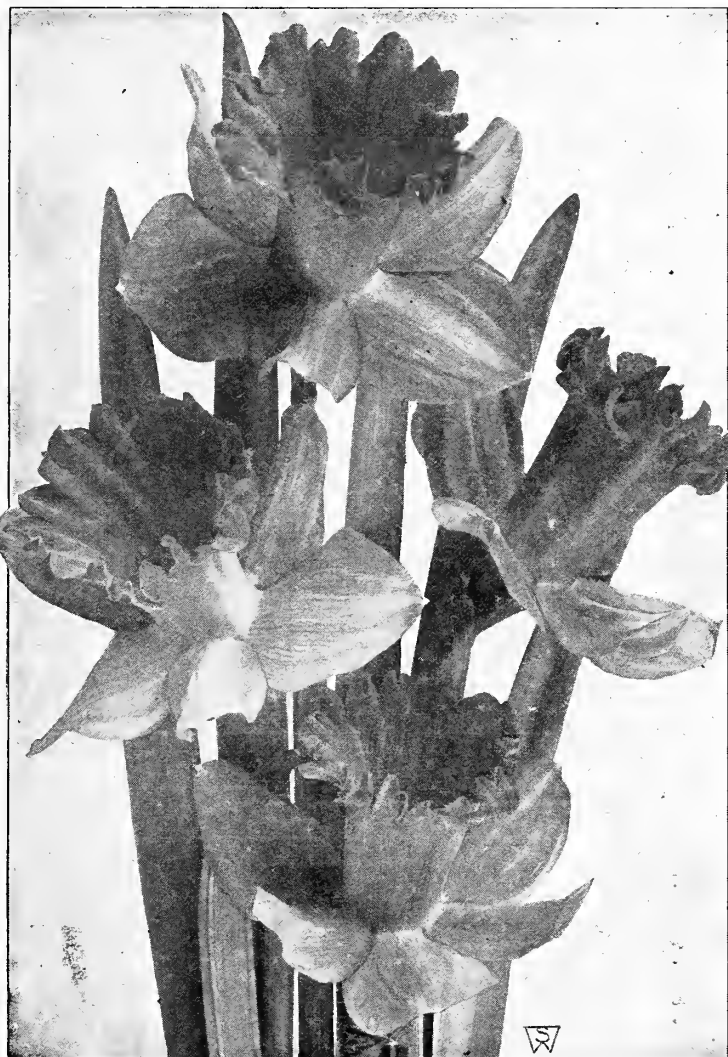
Golden Spur (French-grown). A strain of the above described variety grown in the south of France and used here for early forcing. **\$1.50 per doz., \$9 per 100, \$85 per 1,000.**

Giant Trumpet Narcissi, continued

Grace Darling. Discarded. Mme. de Graaff recommended instead.
Henry Irving. Discarded. Emperor recommended instead.
Horsfieldii. Discarded. Mrs. Walter T. Ware recommended instead.

KING ALFRED C

A king among the new varieties, one that responds splendidly to forcing and one that you should grow a few of. For pans or pots for exhibition, its size, general vigor, and depth of color put it in a distinct class of the **Finest Giant Golden Yellow Narcissi**. Wherever this Narcissus has been exhibited it has caused a sensation. Perianth often measures 4 inches across, trumpet fully 2 inches. **35 cts. each, \$3.50 per doz., \$25 per 100.**



Emperor Narcissi

Mme. de Graaff. C. Pure white perianth, trumpet primrose, passing into white, well formed at the brim. A good white for exhibition, or growing in pots or pans for decoration. Bulbs should be removed from containers immediately upon receipt and planted; if permitted to remain will quickly decay. Height 15 inches. **15 cts. each, \$1.50 per doz., \$10 per 100.**

Mrs. H. D. Betteridge. B. Broad, well-formed perianth with expanding petals; long straight trumpet of ideal form, with exquisitely flanged brim. The color is a uniform, clear ivory-white throughout. This and Mme. de Graaff are the best two white trumpets in our list for exhibition. Height 14 inches. **50 cts. each, \$4.50 per doz., \$35 per 100.**

Mrs. Walter T. Ware. A. White perianth, deep golden yellow trumpet, well expanded at the brim. Earlier for forcing than Victoria and equally good for outside. Height 16 inches. **10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.**

Olympia. B. Perianth light chrome-yellow, trumpet deep chrome-yellow; of huge dimensions. Splendid exhibition sort; a variety in the same class as King Alfred; of wonderful constitution and size. Height 15 inches. **35 cts. each, \$3.50 per doz., \$25 per 100.**

SPRING GLORY

Clear white perianth with long petals of splendid form, long trumpet of deep yellow, well reflexing at the brim. A very vigorous grower and one of the best of the newer Daffodils for pot culture. **20 cts. each, \$2 per doz., \$15 per 100.**

Trumpet Major. A. Flower large and almost of a uniform deep golden. Highly prized as an early forcing sort and largely planted for outside bedding. Height 16 inches.

	Doz.	100	1,000
Dutch-grown	\$0 75	\$5 00	\$45 00

Vanilla. C. This is a grand, tall-growing and very handsome variety, having a fine, bold trumpet of deep yellow, with a paler perianth, and possessing the added charm of a most pleasing and delicate odor. It flowers the same time as Emperor, and is a good variety for forcing. Height 20 inches. **15 cts. each, \$1.50 per doz., \$10 per 100.**

VICTORIA B

A Bicolor famous for its large and durable flowers which stand boldly erect; broad perianth of creamy white; large, broad, fluted trumpet of rich yellow. A strong grower, with massive flowers. Fine for forcing, the flowers lasting in excellent condition long after being cut. Height 16 inches.

	Doz.	100	1,000
Jumbo bulbs	\$1 25	\$8 00	\$75 00
Mother bulbs	1 00	7 00	65 00
First-size, round bulbs	90	6 00	55 00

Weardale Perfection. Perianth milk-white with broad, overlapping petals; long trumpet of primrose-yellow, elegantly fluted at the mouth. A good grower and free bloomer. **35 cts. each, \$3.50 per doz., \$25 per 100.**

Giant Trumpets in Mixture. For naturalizing. Each year we import large quantities of these bulbs for naturalizing, and frequently, at the end of the season, prepare a mixture of some of the best varieties which we have in surplus for this purpose, which we offer at the very low price of \$5 per 100, \$45 per 1,000.

Medium Trumpet Narcissi, or Daffodils

This is also a very popular type or rather types of the Narcissus or Daffodil family. Splendid for garden culture, in pots or pans, or in flats, for cut-flowers.

The following varieties are grouped in some catalogues under the headings, Barrii, Incomparabilis and Leedsii types.

NOTE.—"Perianth" is surrounding row of petals, or wings; "crown" or "cup" is the central cup or funnel-like tube.

BARRII. Daffodils belonging to this group are crosses between Yellow Giant Trumpets and the Poet's Narcissi. The crown usually is not over one-third the length of the perianth petals.

INCOMPARABILIS. The Incomparabilis varieties are also crosses between the Yellow Giant Trumpets and the Poet's Narcissi, but the crowns are larger than those of the Barrii group, sometimes being three-fourths of the length of the perianth petals. The color of the perianth is either yellow or white.

LEEDSII. These are crosses between White Giant Trumpets and the Poet's Narcissi. The crowns are as large as those of the Barrii and Incomparabilis groups, but the perianth petals are always white, and the crowns are mostly white or light yellow.

Albatross. (Barrii.) C. Large, flat, white perianth; cup pale citron, deep yellow-edged, and elegantly frilled at the brim. Splendid forcing and garden variety. Height 20 inches. 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

Autocrat. (Incomparabilis.) C. Clear golden yellow; broad perianth tending to reflex, cup widely expanded at the mouth. A very handsome variety for the border or pots. Height 20 inches. Selected bulbs, 10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.

Conspicuous. (Barrii.) C. Large, broad-spreading perianth of pale yellow, short darker yellow cup, brightly edged orange-scarlet. Splendid for midseason forcing, and good for any position in the garden. Height 21 inches. Selected bulbs, 10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.

Duchess of Westminster. (Leedsii.) C. Pure white perianth; cup pale canary-yellow, slightly darker at the edge, passing into ivory-white; large star-like flower of exquisite beauty. One of the best of the Leedsii for exhibition. Height 16 inches. 15c. each, \$1.50 per doz., \$10 per 100, \$95 per 1,000.

Evangeline. (Leedsii.) Broad, pure white perianth, with smooth, overlapping petals of splendid substance; large, expanding cup of citron-yellow. One of the best of the newer Leedsii Daffodils. 20 cts. each, \$2 per doz., \$15 per 100.

Frank Miles. (Incomparabilis.) C. Perianth pale yellow, elegantly twisted; cup bright yellow; large flowers. Effective planted in clumps in the border; also grown extensively for cutting; very good for pot culture. Height 21 inches. 10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.

Gloria Mundi. (Incomparabilis.) C. Perianth primrose-yellow, with broad petals; crown dark yellow at base, deepening to brilliant orange-red at the brim. A flower of splendid proportion and excellent for exhibition. Height 18 inches. 15 cts. each, \$1.25 per doz., \$8 per 100.

Katherine Spurrell. (Leedsii.) D. A grand new variety; flowers of large size, beautiful form and splendid substance; broad, overlapping perianth of snow-white and a delicate canary-colored crown. An especially fine cut-flower. Height 18 inches. Selected bulbs, 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

Lady Godiva. (Barrii.) C. Large, spreading perianth of pure white, cup large, pale yellow, edged orange-scarlet. A splendid variety in every way; excellent if planted out in combination with the variety Conspicuous. Height 18 inches. 10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.

Lucifer. (Incomparabilis.) C. Perianth sulphur-white, with long, well-rounded petals; cup chrome-yellow, with intense orange-scarlet suffusions. A bold, showy flower for outdoors, holding its color well, and splendid for exhibition. Height 18 inches. 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

Mrs. Langtry. (Leedsii.) D. A remarkably free-flowering variety, each bulb usually producing several flowers; broad white perianth, white cup opening pale primrose. On account of its low price it is largely used for naturalizing. It is good, also, for potting. Height 16 inches. Selected bulbs, 10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.

Red Beacon. (Barrii.) Broad white perianth of splendid substance, with broad well-frilled cup of dazzling orange-scarlet. A very striking variety on account of its brilliant coloring. 50 cts. each, \$5 per doz., \$35 per 100.

Sir Watkin. (Incomparabilis.) C. Perianth primrose-yellow; large and well-formed yellow cup, tinted deep yellow. A giant among the Medium Trumpet sorts. A grand flower of wonderful substance for garden culture or pots, this variety frequently has flowers 5 inches across, and its splendid proportion and ease of culture cause it to be one of the most popular of the older varieties. Height 18 in. Each Doz. 100 1,000
Mother bulbs.....\$0 10 \$1 00 \$7 00 \$65 00
First-size, round bulbs.....10 90 6 00 55 00

Stella Superba (Incomparabilis.) Spreading, white perianth; large yellow cup; a large, graceful flower, splendid for the border or pot culture. Height 19 inches. 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

White Lady. (Leedsii.) C. Broad, white perianth of perfect form; small cup of pale canary, beautifully crinkled. A new sort that is conceded to be one of the best. Fine for outdoor planting, making a splendid cut-flower; good for pot culture also. Height 20 inches. 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

White Queen. (Leedsii.) Broad, overlapping perianth of purest white, with pointed petals; broad straight crown of soft lemon, gradually passing to white as flower matures. A very large flower of splendid substance. 35 cts. each, \$3.50 per doz., \$25 per 100.

Will Scarlett. (Incomparabilis.) Creamy white perianth; cup widely expanded and of a brilliant orange-scarlet, elegantly frilled. A splendid variety on account of the striking color of its cup. 35 cts. each, \$3.50 per doz., \$25 per 100.

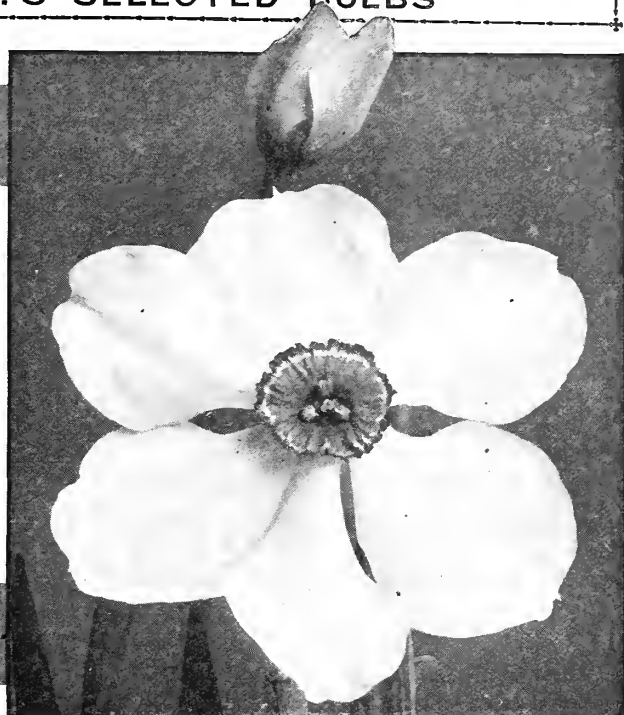


Medium Trumpet Narcissus, Lucifer

Medium Trumpets in Mixture. For naturalizing. Our mixture of the Medium Trumpets for natural plantations contains a great many varieties which we do not list under separate headings and are excellent for this purpose. \$5 per 100, \$45 per 1,000.



Narcissus Poetaz, Aspasia



Narcissus Poeticus, King Edward VII

Narcissus Poetaz

THE HARDY CLUSTER-FLOWERED POET'S NARCISSUS

Admiration. Perianth sulphur-yellow, with a sulphur-yellow eye rimmed scarlet-red; a beautiful new variety in this section. Height 20 inches. **30 cts. each, \$3 per doz., \$20 per 100.**

Alsace. Pure white, with yellow cup, having a slight reddish edge when nearly opened; broad large flower, usually three to a stem. **10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.**

Aspasia. C. Perianth pure white, with soft yellow eye; three or four flowers on a stem. A splendid variety for outdoor planting; very bright in color. Height 18 inches. **10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.**

Elvira. C. A large flower of remarkable substance; perianth pure white with a yellow eye; three or four flowers, two or three stems to a bulb; strong grower and free flowering. Splendid for pots, pans, or garden culture. Height 24 inches. **10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.**

Irene. D. Yellow perianth, with deep golden yellow cup; broad flowers borne seven to eight on a stem; three stems to a bulb. The largest yellow. **10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.**

Klondyke. Perianth even tone of pure bright yellow, with golden yellow eye. A variety of wonderful vigor and size, giving 5 to 6 flowers on a stem. Height 14 inches. **25 cts. each, \$2.50 per doz., \$15 per 100.**

The Poet's Narcissi

Narcissus poeticus

This class of Narcissus, instead of having a trumpet or crown, has a small, wide-mouthed cup. They are very hardy, and are used in large numbers for naturalizing, their simplicity of form and delightful fragrance making them highly prized. Cassandra, Epic, King Edward VII, and Ornatus are used with excellent success for growing indoors in pots or pans, or gently forced into bloom for cutting purposes.

Cassandra. C. Broad, wide-spreading perianth of snowy white; very small, flat cup, deeply rimmed dark red; a flower of perfect shape and thick substance. A tall and vigorous grower. A fine Poet's Narcissus. Excellent for pot-culture. Height 18 inches. **90 cts. each, \$2 per doz., \$12 per 100.**

Epic. Quite the best and largest of the new Poet's varieties. The white perianth is of large size, cup canary-yellow, rimmed bright red. Height 17 inches. **20 cts. each, \$2 per doz., \$15 per 100.**

King Edward VII. C. Round, white perianth, cup light yellow, margined deep red. A vigorous grower, excellent for pot culture. Height 15 inches. **\$1.25 per doz., \$8 per 100, \$75 per 1,000.**

Ornatus (Improved Poeticus). C. Grand flower for cutting. Larger and more symmetrical than the old variety and considerably earlier. Pure white flowers, saffron cup, tinged rosy scarlet. Magnificent cut-flower. Height 15 inches. **Mother Bulbs, 80c. per doz., \$5 per 100, \$45 per 1,000.**

Poeticus (Pheasant's Eye). E. The original late-flowering Pheasant's Eye variety so popular for gardens and naturalizing; pure white flowers with orange cup, edged with red. Height 15 inches. **75 cts. per doz., \$4.50 per 100, \$42 per 1,000.**

Sweet-Scented Jonquils

Very much prized for their deliciously scented golden flowers; perfectly hardy in gardens or naturalized, also admirably adapted to indoor culture in pots of soil.

We frequently receive orders for Jonquils when the Giant Trumpet Daffodils are desired. We ask our patrons to select varietal name in order to avoid the confusion caused thereby. The Jonquils listed below belong to a distinct type of the Narcissus family. The foliage is rush-leaved, and the flowers are borne in clusters of four or five on each stem, and should not be confused with the Giant and Medium Trumpet Daffodils in our list. We have decided to discard the common Single and Double Jonquils in favor of the following sorts.

Giant Campernelle rugulosus. Much larger and finer than the old favorite Campernelle Jonquils; a much freer bloomer and much more desirable, especially for forcing. Beautiful, single, yellow, star-shaped flowers, exquisitely imbricated, borne in clusters of four to six on a stem; delightfully fragrant. Also very hardy and valuable for outdoor planting. **80 cts. per doz., \$5 per 100, \$45 per 1,000.**

Rugulosus, Double. The double form of the large-flowering Campernelle Jonquil. Large, double, yellow flowers; very fragrant and much superior to the common Double Jonquil. Height 20 inches. **80 cts. per doz., \$5 per 100, \$45 per 1,000.**

CHINESE SACRED LILY

The "Shui Sin Far," or Water Fairy Flower, Joss Flower or Flower of the Gods etc., as it is called by the celestials, is a variety of Narcissus, bearing in profusion chaste flowers of silvery white, with golden yellow cups. They are of exquisite beauty and entrancing perfume.

The bulbs, of large size and great vitality, are of luxuriant growth, producing several spikes of flowers; the incredibly short time required to bring bulbs into bloom (four to six weeks after planting) is one of the wonders of nature. You can almost see them grow, succeeding almost everywhere and with everybody. They do well in pots of earth, but are more novel and beautiful grown in shallow bowls of water, with enough fancy pebbles to prevent them from toppling over when in bloom. A dozen bulbs, started at intervals will give a succession of flowers throughout the winter. We have found that first-size bulbs, as generally sent out by other houses, do not flower satisfactorily, and we therefore offer only Mammoth and Jumbo sizes.

	Each	Doz.	100
Mammoth bulbs.....	\$0 25	\$2 50	\$20 00
Jumbo bulbs.....	35	3 50	27 50

GLASS BOWLS, for one bulb of Chinese Lily, 35 cts. each, \$3.50 per doz.; for 6 bulbs, 50 cts. each, \$5 per doz.

PEBBLES. Carefully screened and selected. Per quart box, 20 cts., 2 boxes for 35 cts.



Chinese Sacred Lily

CROCUS

Crocuses, among the earliest bulbs to flower, are most effective when planted in masses on the lawn, or arranged in three or four rows of one color in the border. They are perfectly hardy, and may be left in the ground for three or four years after planting, without being disturbed. The best method is to scatter the bulbs about the lawn and use an ordinary garden dibble or "Slim Jim" trowel, inserting several bulbs in each spot. This makes a very pretty effect in early spring, and the foliage and tops may be safely cut along with the grass when the first mowing is made.

The **Giant-flowering Varieties** are very ornamental when flowered in pots of eight to ten bulbs to a 5-inch size. They will not flower if exposed to heat, nor must too severe forcing be attempted. Care should be taken to cover the bulbs about 1 inch, as planting too deep causes them not to flower.

GIANT-FLOWERING CROCUS

FOR POT CULTURE

The flowers of these varieties are larger than the others offered under selected named sorts.

JULIA CULP. A very distinct shade of deep purple with a narrow white margin. Large-sized flowers; splendid for pot culture. **60 cts. per doz., \$4 per 100, \$35 per 1,000.**



Giant-flowering Crocus, Kathleen Parlow

KATHLEEN PARLOW. A large-flowering, pure white variety with orange anthers; splendid substance. **60 cts. per doz., \$4 per 100, \$35 per 1,000.**

PALLAS. White ground, fine light lilac stripes with remarkably showy orange anthers. **60 cts. per doz., \$4 per 100, \$35 per 1,000.**

PRINCESS LOUISE. Deep purple with light stripes; large and attractive variety. **60 cts. per doz., \$4 per 100, \$35 per 1,000.**

SELECTED NAMED VARIETIES

We have endeavored to give below the best standard varieties of Crocuses.

	Doz.	100	1,000
Baron Brunow . Dark purple.....	\$0 50	\$3 00	\$25 00
King of the Whites . Large pure white.....	50	3 00	25 00
La Majestueuse . White, striped lilac.....	50	3 00	25 00
Maximilian . A pleasing shade of lavender..	50	3 00	25 00
Mont Blanc . Pure white; large size and good substance.....	50	3 00	25 00
President Lincoln . One of the deepest of the purplish blue varieties.....	50	3 00	25 00
Sir Walter Scott . White ground, prettily striped lilac.....	50	3 00	25 00
Yellow . Pure golden yellow. Jumbo bulbs..	60	4 00	35 00
Mammoth bulbs.....	50	3 00	25 00

S. & W. Co.'s Special Mixture. A special mixture of all colors and shades. **40 cts. per doz., \$2.50 per 100, \$20 per 1,000.**

HARDY LILIES

We especially recommend deep planting, say, from 6 to 8 inches; varieties like Speciosums require at least 8 inches, with an ample amount of sand beneath the bulb to insure proper drainage. Cover the beds with leaves or litter during winter. Lilies thrive well in borders, formal gardens or shrubbery, and usually flower at a time when the shrubbery has ceased blooming, adding increased interest. The following varieties have proved to be sorts that may be planted in the fall or spring with excellent results. We frequently receive orders for *Lilium candidum* for spring delivery. This Lily arrives from France in September, and must be planted by November 1.

Most Lily Bulbs, being of late maturity, do not arrive in our country until October and November, which is conceded to be the best time to plant. Where the ground is liable to freeze before late Lilies arrive, it should be mulched with leaves or manure.

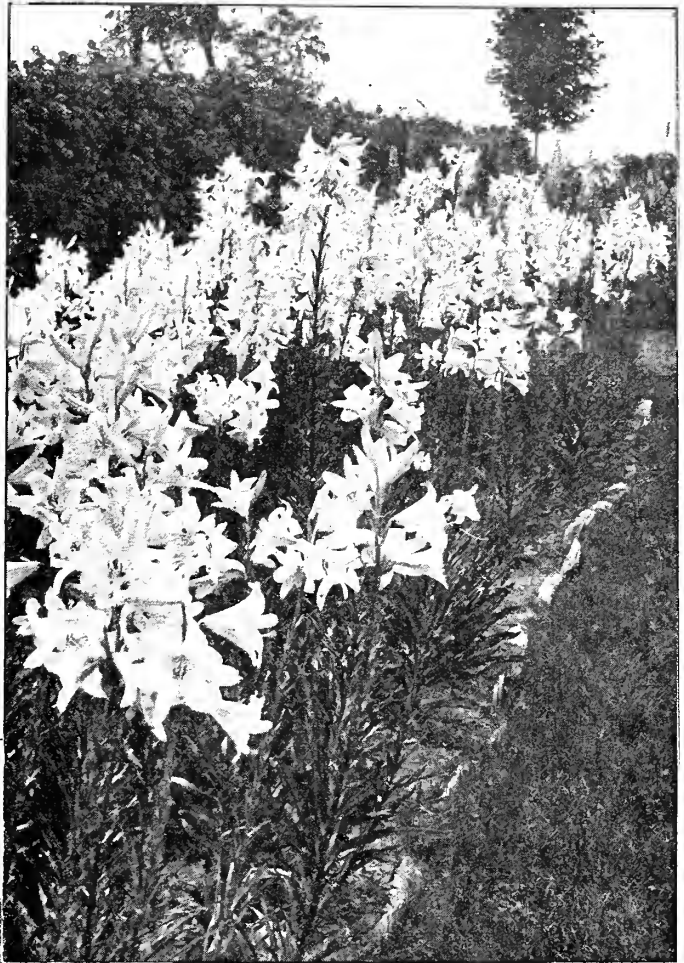
LILIUM CANDIDUM (Madonna Lily)

Choice Northern-Grown. Arrive in August or September

The favorite Lily of the old-fashioned garden, produces strong, stiff stems, studded with a mass of pure, glistening white flowers, that enliven the perennial flower-garden or, for contrast with the beautiful green shrubs of the June garden, are unequalled, frequently growing 4½ feet high.

Plant some bulbs during September and October and enjoy a big crop of flowers next June; or pot up, store in coldframe, and force for early winter in the greenhouse or conservatory. Our bulbs of this splendid Lily are grown in northern France, and are of the true thick-petaled variety, which is much superior in habit and flowering qualities to that of the cheap, loose, southern-grown bulbs.

	Each	Doz.	100
Mammoth Bulbs	\$0 25	\$2 00	\$15 00
Jumbo Bulbs	30	2 50	20 00



Lilium candidum

LILIUM AURATUM

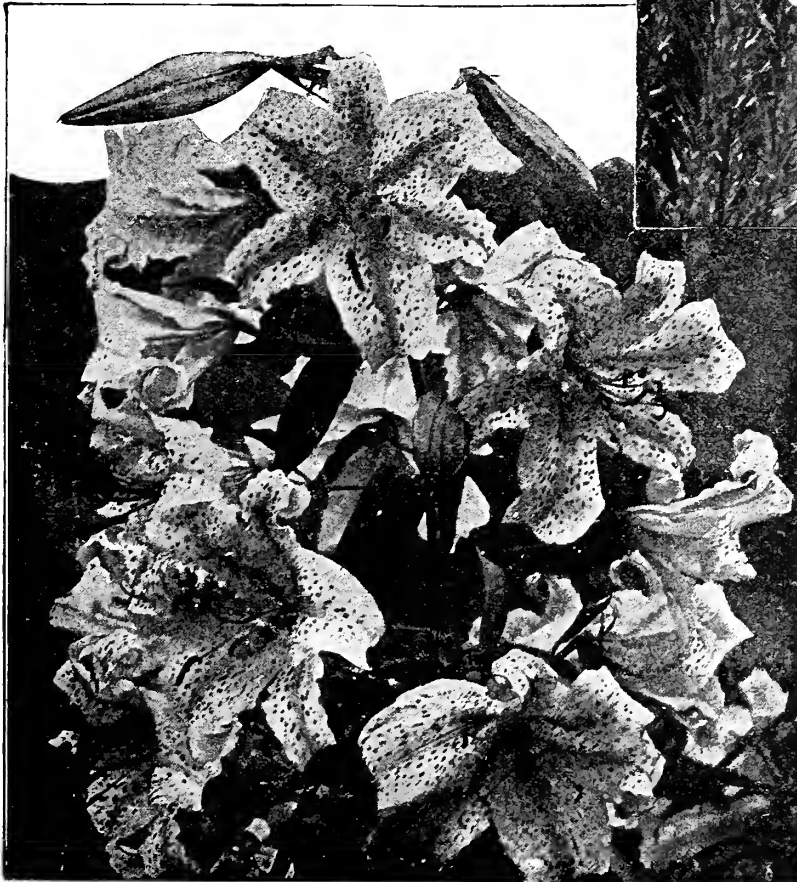
(The Golden-Rayed Lily of Japan)

One of the finest and most popular of the hardy garden Lilies. It thrives best in locations where the lower portion of the plant will be partially sheltered from the hot sun, as among peonies or herbaceous plants in the hardy border, where groups of six to twelve of these Lilies produce a stately and magnificent effect. The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. Fully expanded the flowers measure nearly a foot across, are produced abundantly from June to October, and possess a most delicious fragrance. 3 to 5 feet.

	Each	Doz.	100
8 to 9 in. in circum.....	\$0 35	\$3 50	\$25 00
9 to 11 in. in circum.....	45	4 50	35 00
11 to 13 in. in circum	65	6 50	50 00

LILIUM TENUIFOLIUM

The lovely Coral Lily of Siberia. A great beauty. The brightest of all Lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early. 30 cts. each, \$3 per doz., \$20 per 100.



Lilium auratum (Golden-rayed Lily of Japan)



Lilium speciosum magnificum

HARDY LILIES, continued

Lilium speciosum magnificum

(Oriental Orchids)

Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bordered with deep pinkish crimson. A much superior variety to the Roseum, Rubrum or Melpomene of the Speciosum type. For the border, among hardy plants or naturalized among rhododendrons, this is an equal favorite with the *Lilium auratum* offered on the previous page. Splendid for pot culture as well. Blooms outside during August.

	Each	Doz.	100
8 to 9 in. in circum.....	\$0 35	\$3 50	\$25 00
9 to 11 in. in circum.....	45	4 50	35 00
11 to 13 in. in circum.....	65	6 50	50 00

Lilium speciosum album

The white Speciosum, which is usually grown with Magnificum and *Lilium auratum*, is a very dainty Lily. It flowers outside in the border or among rhododendrons at the same time as Auratum and Magnificum, and is one of the most extensively cultivated varieties.

	Each	Doz.	100
8 to 9 in. in circum.....	\$0 35	\$3 50	\$25 00
9 to 11 in. in circum.....	45	4 50	35 00

OTHER HARDY LILIES

Suitable for Garden Culture

Hansonii. Under favorable conditions attains a height of 3 to 4 feet. Flowers reddish orange, eight to twelve in a cluster; petals thick and durable. 50 cts. each, \$5 per doz., \$35 per 100.

Pardalinum. A California variety bearing twelve to thirty flowers on stems 4 to 6 feet high; bright orange, spotted dark crimson. Flowers in July. 30 cts. each, \$3 per doz., \$20 per 100.

Superbum. In a collection of best plants of all countries, our native Superbum Lily would deserve a first place. In deep, rich soil it often grows 8 feet high, with twenty to thirty flowers. It is of the easiest culture, and may be grown as a wild flower in any swampy or rough part of a place where the grass is not mown. Extra-selected bulbs. 25 cts. each, \$2.50 per doz., \$15 per 100.

Tigrinum splendens. The finest type of the quaint and much-loved Tiger Lily. Large, selected bulbs, 25 cts. each, \$2.50 per doz., \$15 per 100.

Tigrinum splendens, Double. The double form of the above. 25 cts. each, \$2.50 per doz., \$15 per 100.

LILY BULBS FOR INDOOR GROWING

CALLA LILIES

These like a stiff, clayey soil with a small quantity of shredded cow-manure. Bulbs should be set with the crown, or top, protruding just above the surface. When in growing condition, warm water given several times during the week will hasten the flowering period and increase the number of blooms. When using the large-sized bulbs, plant but one in a pot; smaller ones, two. We call especial attention to the Yellow Calla, which is one of the grandest varieties in cultivation, and most valuable for house or conservatory decoration. See the description opposite. Plant Callas indoors only in the fall of the year.

WHITE CALLA LILY—	Each	Doz.	100
Jumbo size.....	\$0 50	\$5 00	\$40 00
Mammoth size.....	40	4 00	30 00
First size.....	25	2 50	20 00

YELLOW CALLA LILY. A grand novelty—one that should be planted extensively. The deep golden yellow flowers are truly magnificent and produced in abundance. The green foliage is spotted creamy white, which adds to its beauty.

	Each	Doz.	100
First-size bulbs.....	\$0 40	\$4 00	\$30 00
Mammoth bulbs.....	50	5 00	40 00

EASTER LILIES

We offer three types of the Longiflorum Lily usually grown by the florist. Of the three types we recommend *Lilium formosum* as the best for private conservatory growing.

LILIAM HARRISII—	Each	Doz.	100
These bulbs usually arrive from Bermuda in			
July. 7 to 9 inches in circumference.....	\$0 60	\$6 00	\$45 00
9 to 11 inches in circumference.....	1 00	10 00	90 00

L. LONGIFLORUM FORMOSUM—			
We have contracted for and expect some of each of the following sizes to arrive about			
Sept. 1. 7 to 9 inches in circumference....	50	5 00	40 00
8 to 10 inches in circumference.....	75	7 50	60 00
9 to 10 inches in circumference.....	80	8 00	65 00
10 to 12 inches in circumference.....	90	9 00	75 00
11 to 13 inches in circumference.....	1 00	11 00	90 00

L. LONGIFLORUM GIGANTEUM—			
We have contracted for and expect some of each of the following sizes to arrive October or early November.			
7 to 9 inches in circumference.....	40	4 00	30 00
8 to 9 inches in circumference.....	45	4 50	35 00
8 to 10 inches in circumference.....	50	5 00	40 00
9 to 10 inches in circumference.....	55	5 50	45 00
10 to 12 inches in circumference.....	75	7 50	60 00

LILY BULBS AND VALLEY PIPS



Superior Lily-of-the-Valley Pips

among the best. Is bought at open prices, with instructions for a selection of the best-developed pips. Our long experience and large importations have commanded this extra selection. Introduced a few years ago, it has now become famous, being forced very extensively by a large number of celebrated Lily-of-the-Valley growers. This Valley produces strong spikes of flowers, about 15 inches in height, bearing from 12 to 20 extra-large pure white bells, which are delightfully fragrant. We make a specialty of Lily-of-the-Valley, and are prepared at all times to supply from our cold storage warehouse in original cases of

FROM COLD STORAGE

The following Lilics are repacked (on arrival) and put in cold storage for the convenience of our patrons who desire to have Lilies in bloom throughout the year. *Lilium longiflorum giganteum* are extensively forced by the florist trade all the year, and can be forced in bloom in four months; *Lilium speciosum* four to six months. The main point in the culture of Lilies from cold storage is to keep bulbs in a cool place or cellar, after potting, so as to produce the greatest root action before bringing to the light.

LILIAM LONGIFLORUM GIGANTEUM. The best all-round Longiflorum to force from cold storage.

8-in. to 10-in. (50 per case).....	\$20 00
9-in. to 10-in. (50 per case).....	25 00
11-in. to 12-in. (50 per case).....	30 00

LILIAM AURATUM (Golden-rayed Lily of Japan). The flowers are pure white, thickly studded with crimson spots.

9-in. to 11-in. (50 per case).....	25 00
11-in. to 13-in. (50 per case).....	30 00

Lilium Speciosum

The Speciosum Lily is very largely used for private conservatory work and for cutting. With care they may be forced into bloom from four to six months. For Thanksgiving and Christmas blooming bulbs should be potted by July and stored in a cool cellar, in order to make good root growth before bringing into the light. Few failures are recorded where bulbs are placed in a cool place, so as to induce greatest root action before top growth has started to a marked degree. When required for spring blooming, bulbs may be potted in August and September.

Album. The White Speciosum.

8-in. to 9-in. (50 per case).....	20 00
9-in. to 11-in. (50 per case).....	25 00

Magnificum. This variety is an improvement on Roseum, Rubrum and Melpomene; it is of more robust habit and a freer bloomer, its color being a rich scarlet.

8-in. to 9-in. (50 per case).....	20 00
9-in. to 11-in. (50 per case).....	25 00
11-in. to 13-in. (50 per case).....	30 00

Superior Lily-of-the Valley Pips

FROM COLD STORAGE

THE FINEST VALLEY PIPS OFFERED

In judging our price of Cold-Storage Lily-of-the-Valley, please remember that the best is the cheapest. Our Valley is positively

100 S. & W. Co.'s
Superior Lily-of-the-Valley
for \$8

250 S. & W. Co.'s
Superior Lily-of-the-Valley
for \$18

500 S. & W. Co.'s
Superior Lily-of-the-Valley
for \$35

1,000 S. & W. Co.'s
Superior Lily-of-the-Valley
for \$65

POT-GROWN STRAWBERRY PLANTS

PLANT OUT THIS SUMMER



Stumpp & Walter Co.'s Pot-grown Strawberry Plant

Best New Strawberry FOR THE HOME GARDEN

DeLue's Judith

ORIGINATOR'S DESCRIPTION

About eighteen years ago I took up the study of strawberry growing, and, starting with the most popular varieties, I soon discovered why the city dweller never has the opportunity of eating really fine strawberries.

The great bulk of the strawberry industry is carried on by the commercial grower, and so the market for plant production has been dominated by him. He demands first of all that a berry be sufficiently firm for shipping so as to arrive at the market in good condition.

Practically all the berries of high quality until recently have been soft, and, consequently, poor shippers. As a result, berries of high quality are kept out of the market.

It was with the idea in mind of combining the good points of those varieties popular with the commercial grower and the home grower that I took up the work of developing a variety which would satisfy the most exacting palate and which would answer all the requirements of one who finds it necessary to ship long distances to the city.

Starting with some thirty odd varieties, I have originated seven thousand, and by careful selection during all these years, have discarded all but about fifty varieties which are very promising, and out of this number the only two that I have exhibited have been awarded silver medals by the Massachusetts Horticultural Society. These I have named "DeLue's Judith" and "DeLue's Venia." (Venia we hope to introduce next year.)

AWARDS. DeLue's Judith was awarded a silver medal in 1915, and since then three first prizes by the same society.

The past season it was the first native berry to arrive in the best of the New York and New Jersey berries were selling for 35 and 40 cents retail. This is the highest price ever obtained for a berry at wholesale in the Boston market.

The Judith is a bi-sexual or perfect-flowering plant. It is the earliest, as well as one of the latest, and one of the five most productive of the seven thousand varieties.

It is very large, and carries its size throughout the whole season, making it especially valuable for the home garden. The color is deep red all through; the seeds are small and bright yellow; the shape is that of a truncated cone. The flavor is unsurpassed. It is sweet and juicy, and the berry is so firm as to allow its being dropped from a height of 4 feet from the hand to the floor without injury.

The flesh is fine grained and without core. The stems are stout enough to bear up well the large clusters of berries. The foliage, of a medium light green, is strong and healthy and remains so after fruiting. It is tall enough to cover the blossoms, thereby protecting them from frost. The runners are strong and root easily, forming abundantly enough to fill the row completely.

After subjection to continuous tests in this manner for a period of thirteen years, one supreme berry out of seven thousand varieties has been found that will satisfy the family gardener as well as the commercial grower, and will please the most exacting palate.

The Judith has come to take the place of the once popular Marshall strawberry, because it is equally as large, ripens two weeks earlier, retains its large size better through the whole season, which is much longer; it is much more productive, and will thrive on much lighter soil.

Potted Plants, \$3.50 per doz., \$11 for 50, \$20 per 100

Fall-Bearing Strawberries

They are really a new thing in the Strawberry world and have come to stay. Under ordinary conditions they would bear a scattering crop of berries from June until November. Ordinary frosts have little effect on them.

In order to get the best-paying results from them, we advise picking or pinching the blossoms off until within three weeks of the time when fruit is wanted. The rule is to stop pinching the blossoms about August 1, then ripe fruit may be expected about the last week in August.

From five hundred Fall-bearing Strawberry plants set out May 1, there were picked on the 23d of the following August four quarts of berries, and they continued to yield until November 11, when the last three quarts were gathered. During the week of September 12 to 17, there were gathered nearly one hundred quarts.

A half-dozen berry experts have been working over them since they were discovered ten or twelve years ago. Now for the first time the Fall-bearers are out of the freak class.

Potted Plants of the following two varieties, \$2 per doz., \$10 per 100

Progressive. During the past two years we have shipped Progressive to every state in the Union and to a great many different places in each state. Many of those who have bought plants have reported their success; from these reports we unhesitatingly recommend Progressive as the best of all the everbearing varieties yet introduced. There are a few places where Superb seems to have a little the best of it and, where such places are known by the grower, we would advise planting Superb. The vast majority, however, have found Progressive unequalled and we advise everyone who has not tried out the everbearers, to try them out now and plant Progressive. The blossoms should be kept off until the middle of July, and from the first of August until freezing weather Progressive will bear abundantly. The berries are of medium size, possibly not quite so large as the Superb, but they are produced in such great abundance and are of such high quality that they take the lead among the everbearers.

Superb. Next to Progressive, we consider Superb the most valuable of the everbearing varieties. Superb will grow well, but it will not produce fruit like the Progressive. The Superb and Progressive are about equal in plant-growth. Superb produces fruit that is somewhat larger than the Progressive, but it does not produce anything like the amount the Progressive does, and the Superb berries are not quite so good in quality.

General List of Strawberry Plants

POT-GROWN STRAWBERRY PLANTS FOR DELIVERY from July 15 to September 15, \$1.50 per doz., \$8 per 100, \$19 for 250, \$70 per 1,000

EARLY VARIETIES

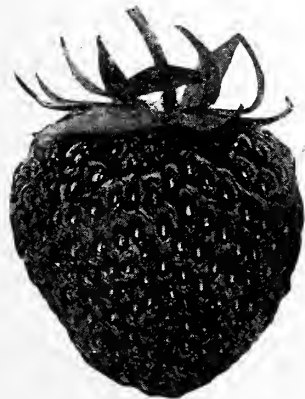
EARLY OZARK. We consider this one of the best large, early, market berries we have. It is a seedling of Excelsior crossed with Aroma and it has made a great record wherever it has been grown. Growers in many sections are very enthusiastic about it. The plant is one of the healthiest we have ever seen. The growth is luxuriant and thrifty, the foliage stands up erect, and the leaves are thick and leathery with a healthy, vigorous appearance. The berries are of large size, good quality, a beautiful dark red in color. Ozark is a perfect variety, strong in pollen, and, in addition to being very productive, it is a strong pollinizer of imperfect varieties. You will like Early Ozark.

Early Jersey Giant. This is the best of a number of hybrids produced by Dr. Walter Van Fleet, of New Jersey. It ripens medium early. The berries are large, brilliant crimson, conical with pointed tips. They ripen evenly all over, have a delightful aroma, and are most excellent in quality. The fruit is uniformly large and has large green caps which make it very showy and attractive. The blossoms are large and perfect. The plant is a strong grower and heavy yielder. It is firm enough to ship well and with its handsome appearance and good qualities it will bring the very highest prices on any market. We confidently recommend this as one of the very best medium-early fancy berries that will give satisfaction wherever grown.

KLONDYKE. A very good grower and adapted to a wide variety of soils. It is especially popular in the middle and southern states. Many large associations in the South are planting Klondyke for their main crop, due to the fact that it is a good shipper. At nearby shipping stations we have seen buyers go over load after load of berries and pay more for the Klondyke than for any other variety of its season.

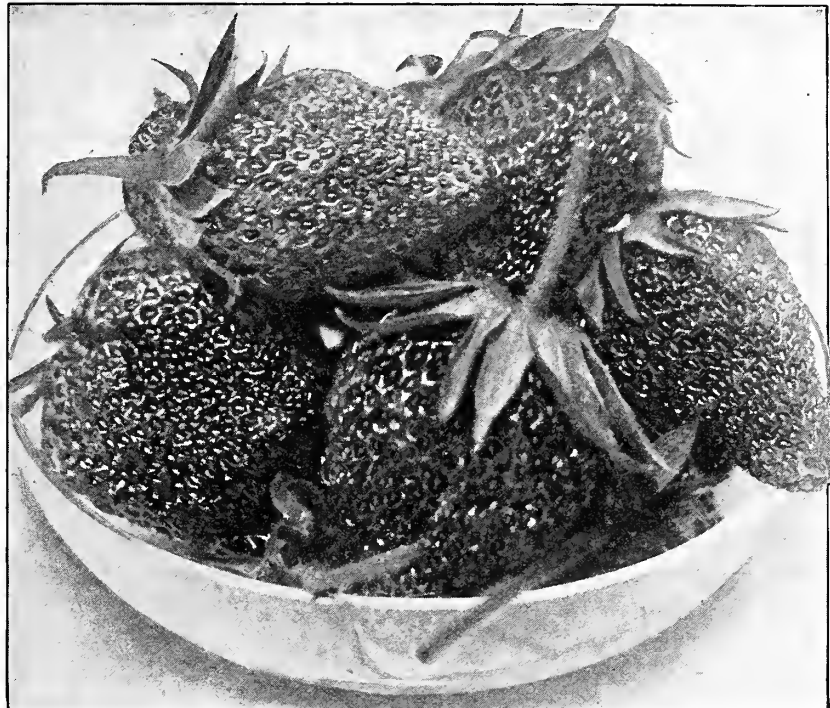
LONGFELLOW. Like Senator Dunlap, Longfellow is a good, safe, reliable variety to plant. The fruit ripens medium early; the berries are large and conical in shape, highly colored, and of excellent quality. Longfellow is one of the most productive varieties we have ever seen, although the ground must be very rich and highly fertilized or the plants simply cannot mature the great quantities of fruit which is set. Plant Longfellow in rich ground, cultivate them properly, and you will be amply repaid at fruiting time.

PREMIER. We fruited Premier last year for the first time and we want to say that it is one of the very best very early varieties that we have ever seen. It is productive and the fruit is good enough for home use and firm enough to ship. The introducer says of it: "Premier is distinctly in a class by itself. In productiveness it is a wonder. The berries are mammoth in size, beautifully formed, bright, rich, red through and through, delicious in flavor; and it is a splendid shipper. In one word, every berry is a show-berry and a prize-winner."



Senator Dunlap

Senator Dunlap. This is a variety for the amateur and for the more experienced in Strawberry-growing. It is adapted to any type of soil and does well in all sections where it is grown. The plants are rather small, but they have long fibrous roots, which make them good drought-resisters. They make a vigorous growth and should be kept thinned out in order to get the best results. The fruit is bright red, with a glossy finish, shading to a deep scarlet on the under



Early Jersey Giant

side. The plants produce a heavy crop of fruit and the berries hold up well in size clear to the end of the season. Senator Dunlap has perfect blossoms, which produce an enormous amount of pollen, making it very valuable for pollinating imperfect-flowering varieties, all the more so because it commences to bloom medium early and lasts through a long season. Growers throughout the country know the Senator Dunlap and we always count on a heavy demand for it. It is one of the surest varieties to produce a crop and the crop it produces is very large, the quality is good, and it is a fairly good shipping berry.

ST. LOUIS. For the home table or local market St. Louis is great. It is a native of Arkansas and, as grown here, it makes a strong, healthy plant, which is very productive of large berries.

Success. This early-fruited Strawberry is one of the most beautiful as well as one of the best medium-early large berries we know of, and although early it holds out well through the Strawberry season, bringing every berry to perfection, the last berries coming in with the later varieties, and almost as large as the first borne. The berries are of large, globular form, slightly conical, and of a light, bright scarlet; the flavor is always fine, mild, sweet and rich. A vigorous, strong grower, free from rust and very productive. We unreservedly recommend it for the home-garden.

MIDSEASON VARIETIES

BIG JOE (Joe Johnson; Joe). One of the most valuable new varieties that have been introduced for a long time. It is a strong, healthy grower that makes plenty of plants for a good fruiting bed. In sections where it has been grown, it has shown such a vigorous growth and such a wonderful productiveness of large, handsome berries that bring top prices on the market that everyone who has seen it is wanting plants. It does well in practically all sections where it has been grown.

HERITAGE. Heritage is a strictly fancy variety which some growers use for their fanciest trade. The berries are uniformly large with a splendid color and delicious flavor. It is firm and quite productive. Our trade on Heritage is largely with those who know the variety best, and it will increase as other growers learn how good it is. Blossoms are perfect.



Glen Mary

MIDSEASON STRAWBERRIES, continued

Glen Mary. Originated in Pennsylvania twenty years ago.

Since then it has become very popular throughout New England and the northern half of the United States. Many growers consider it the most profitable of all varieties to grow on account of its great productiveness. Some of our customers have reported more than 10,000 quarts per acre from this variety. The berry is firm enough for distant shipment; it is of handsome appearance and good quality. For this reason it is popular both as a fancy local-market berry and as a shipper. The fruit is of large size, dark red in color, with prominent seeds of bright yellow. The meat is rich and juicy and of such high flavor that when once eaten more is wanted. Glen Mary is a strong grower which makes large, healthy plants

with an abundance of dark green foliage. The blossoms are about half-perfect but carry enough pollen to fruit their own berries.

Marshall. Beyond doubt one of the largest berries yet introduced; the plants are the rankest growers, way ahead of all others in this respect. In shape conical, very regular, each berry like the other; color a dark red-crimson; flesh is solid and dark red; flavor is the very finest. It is possible to ship this berry hundreds of miles. It ripens with the early berries, and continues in fruit until very late in the season. As to productiveness it will not yield so many berries as some varieties, but when measured in quarts it will be above the average. On account of its large, luxuriant foliage it will stand the severest drought and protect its flowers from late frosts.

NEW YORK. This is the Strawberry, a seedling of Bubach and Jessie raised by a New York lady, that captured the prize of \$100 in gold offered for the best and largest new variety. The plant is an unusually robust grower, making but few runners, throwing its strength and vigor into the magnificent berries. In form they are very handsome and regular, of a rounding, conical shape. Color, crimson-scarlet, dark, rich and inviting, coloring all over, leaving no green tips. The flavor is deliciously rich and melting. For a family Strawberry the New York is eminently adapted; but its large size and delicate texture would possibly prevent the berries from arriving in good condition in distant markets.

WARREN. Originated by Mr. S. H. Warren, of Auburndale, Massachusetts. Mr. Warren was a veteran berry-grower and after growing the best varieties for fifty-eight years, he considered Warren the best he had ever seen. After having fruited this variety and having received much favorable comment on it from our customers, we are prepared to recommend it very highly. It does best on loamy soil, not being so well adapted to the lighter types. Plants are exceedingly vigorous, with a dark green leathery foliage, and produce a splendid crop of large, high-quality, high-colored berries, which have taken first prize at the Massachusetts Horticultural Show. For the North and West, we consider Warren one of the most valuable varieties on the market.

MIDSEASON TO LATE

Brandywine. The berries are very large, handsome and attractive to the eye; the fruit is large and of fine quality, firm and shapely foliage; of the thrickest; in general, it is heart-shaped; flesh red, firm and solid for so large a berry. Vines exceedingly prolific, continuing a long time in fruit; a very profitable variety.

Chesapeake. Many of the largest growers in the country are using Chesapeake for their main crop and they are amply justified in doing so. The foliage is very strong and healthy; we do not remember ever seeing a bit of rust on it. The plants are very strong and robust and have very long roots which make them one of the best drought-resisters. The shape of the berries is seen in the accompanying photograph. They are uniformly large, with prominent yellow seeds and an attractive, bright green cap, altogether making Chesapeake one of the most beautiful and attractive berries in the package that we have ever seen. The berries are unequalled in quality, equaled only by a few varieties, such as McAlpin

MIDSEASON TO LATE STRAWBERRIES, continued

and Wm. Belt. The Chesapeake does not set an extraordinarily heavy crop of fruit; it does set a good crop. And the valuable thing about it is that every blossom matures a berry and the last ones are almost as large as the first. The flesh is very firm in texture and the berries will keep for many days in perfect condition, so that altogether it is an ideal berry for home use, for local market, or for distant shipment. Often new berries are reported to "sell as well as the Chesapeake," the inference being that no higher recommendation was necessary.

COMMONWEALTH. In the Commonwealth we have a berry as large as the largest—as productive as any of the large-fruited varieties, and as fine flavored and juicy and as dark colored as any Strawberry grown. The berries, of the largest size, are broadly cone-shaped, and quite smooth; moreover, it is very late. On the 17th of July as good berries were picked from it as earlier in the season; and the last berries were picked July 22. The plant is a good, strong grower, hardy, shows no sign of rust, and bears a strong staminate blossom. It is exceedingly productive. The Massachusetts Horticultural Society awarded this First Prize.

HUSTLER. (Pistillate.) This new variety is a native of Pennsylvania and it is destined to become one of the great fancy Strawberries, throughout the country. It is a vigorous grower, making a few large strong plants rather than many small ones. The fruit averages large in size, is uniform, and firm enough to ship to a distant market. The berry is rich scarlet in color, excellent in quality, and altogether one of the handsomest berries that we know. The blossoms are imperfect and should be planted with some perfect-flowering variety. We intend to plant Big Joe and Hustler together and we have confidence that this combination will be a good one.

McALPIN. The more we see of the McAlpin, the better we like it. We fruited a block of McAlpin last season and we can say that, out of over fifty varieties fruited, McAlpin came through several heavy rains with less dirt and sand on the berries than any variety we had. The berries average large in size and run about as even as any variety we know of. There are no extra-large berries and no very small ones. The berries are a beautiful scarlet in color and unexcelled in quality. The light green of the caps and the bright scarlet of the berries make a pleasing contrast which causes the berries to show up well in the package. They always bring top prices on the market, selling with Chesapeake and Big Joe.

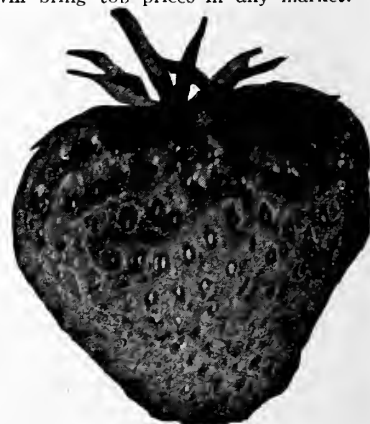
WILLIAM BELT. A luxuriant grower, healthy and hardy, very productive, and the berries are very large. It has produced many 6-inch berries. Shape rather long, conical and quite uniform. The color is deep, glossy red all over. It is as firm as ordinary berries, and of a better quality than is often found in large varieties. All things considered, it is one of the best varieties for the home grower; the flesh is solid and meaty and of a rich crimson to the core.

VERY LATE STRAWBERRIES

GANDY. Probably no higher compliment could be paid to this variety than the fact that all other late varieties are compared with it. For best results it should be planted in black swampy land or, if this is not possible, in springy land with some clay in its makeup, but Gandy never should be planted on dry sandy land. It is a reliable old standby and a great favorite in the market. Gandy makes a vigorous healthy growth and, if planted in soil as recommended above, it will produce a good crop of large, uniform, highly colored, firm berries that will bring top prices in any market. We have known of the Gandy being shipped 200 or 300 miles and still taking precedence over fancy local berries.

STEVENS' LATE CHAMPION.

Has perfect blossoms. Originated in New Jersey and is supposed to be a seedling of the Gandy. It makes a rich foliage which amply protects the fruit. Berries are very large in size, bright red in color, and of good quality. It ripens quite late and makes a season of medium length. It blossoms late in the season which makes it almost immune to late frost. It is very popular in New England and the middle northern states.



Chesapeake

STUMPP & WALTER CO.'S GIANT PANSIES

This very popular annual needs little description. Good results may be obtained from sowing seed in April in a light, cool, but well-moistened soil, enriched with a slight amount of barnyard manure or fine ground bone. Sow seed in drills, covering them five times their diameter, and firm soil. Water once a day, except in very dry weather, when they may be watered twice a day. Seed will germinate in about two weeks and should not be allowed to dry out. A small covering of newspapers will prevent drying out. When plants are large enough to handle, they should be transplanted to a distance of 1 foot apart. Where greenhouse and coldframe facilities are at hand, seed may be sown in July or August and plants protected during winter.

Pansies in Mixture

Our Pansy Mixtures are prepared in our Flower Seed Department by an expert who has a thorough knowledge of the finest sorts extant, and is done in a very careful manner. Our Pansies have been grown throughout the United States, by leading florists, many of whom have repeated their order every year, thereby giving their unqualified indorsement to our famous strain.

S. & W. Co.'s Exhibition Strain.

This mixture of Giant Pansies has been prepared of the finest varieties grown; blooms of gigantic size, splendid texture; the plants of robust constitution hold their majestic blooms well above the foliage. Every conceivable color and combination of colors has been included. Pkt. 25 cts., $\frac{1}{4}$ oz. \$3, oz. \$10.

Non Plus Ultra. A mixture of Pansies designed for the critical buyer who desires his beds to look of uniform quality, giving every conceivable color and combination of colors that exists in this highly meritorious flower. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$6.

Masterpiece (Frisled Pansy). A remarkable type, each petal being conspicuously curled or waved. The color range is quite extensive, the rich, dark, velvety shades predominating. Pkt. 25 cts., $\frac{1}{4}$ oz. \$2, oz. \$7.50.

Cassier's Giant. A grand mixture of the finest blotched varieties, very large in size and rich in coloring. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Mme. Perret. A new and beautiful strain, originated with a French specialist; flowers of large size, borne very freely in a great diversity of colors, especially rich in red and wine shades. Pkt. 20 cts., $\frac{1}{4}$ oz. \$2, oz. \$7.

S. & W. Co.'s Special Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Finest English Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

S. & W. CO.'S GIANT PANSIES

Giant Pansies in Separate Colors

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Giant Adonis. Soft lavender-blue.....	\$0 15	\$1 50	\$5 00
Giant Azure-Blue.	15	1 50	5 00
Giant Dark Blue. Deep blue.....	15	1 50	5 00
Giant Fire King. Mahogany and gold..	15	1 25	4 00
Giant King of the Blacks. Black.....	15	1 50	5 00

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Giant Lord Beaconsfield. Violet-blue...	\$0 15	\$1 50	\$5 00
Giant Purple.	15	1 50	5 00
Giant Snow-White.	15	1 25	4 00
Giant White. Dark eye.....	15	1 50	5 00
Giant Pure Golden Yellow.	15	1 50	5 00
Giant Yellow. Dark eye.....	15	1 50	5 00

Flower Seeds for Autumn Sowing

ANTIRRHINUM (Snapdragon)

Ramsburg's Silver Pink. We offer this very fine strain of Snapdragon in sealed packets direct from the originator. Pkt. \$1.
Nelrose. A very popular pink Snapdragon grown very extensively. The seed we offer has been grown for us under glass. Pkt. 75 cts.

TALL VARIETIES

	Pkt.	1/2oz.
Giant Coral-Red. Very pretty and attractive shade..	\$0 10	\$0 35
Giant Blood-Red. Very beautiful shade.....	10	35
Giant Yellow. Bright yellow.....	10	35
Giant Queen Victoria. A very large white.....	10	35
Giant Rose Dore. A lovely new shade, a pretty self-salmon-rose.....	10	35
Giant Fairy Queen. Rich orange-salmon, with white throat.....	10	35

ASPARAGUS

Plumosus nanus. Graceful, fern-like foliage; grown extensively by florists for decoration. **Full Greenhouse Grown.** Pkt. 25 cts., 100 seeds \$1.

Sprengeri. Of more drooping and coarser habit; excellent for hanging-baskets. Pkt. 25 cts., oz. 75 cts.

BELLIS PERENNIS (Double Daisy)

Our strain of this popular flower is grown by a specialist in France, and for size cannot be excelled.

	Pkt.
Giant-flowering Pink	\$0 25
Giant-flowering White	25
Double Red, Quilled	25
Double Selected, Mixed	25

CALCEOLARIA

The strains of this beautiful decorative pot-plant are grown by a famous English Calceolaria specialist, and are the finest in existence.

	Pkt.
S. & W. Co.'s Giant Strain	\$0 50
S. & W. Co.'s Giant Prize Strain	50
Rugosa, Mixed. Shrubby. Small-flowering varieties for bedding.....	50

CALENDULA OFFICINALIS FL.-PL.

(Pot Marigold)

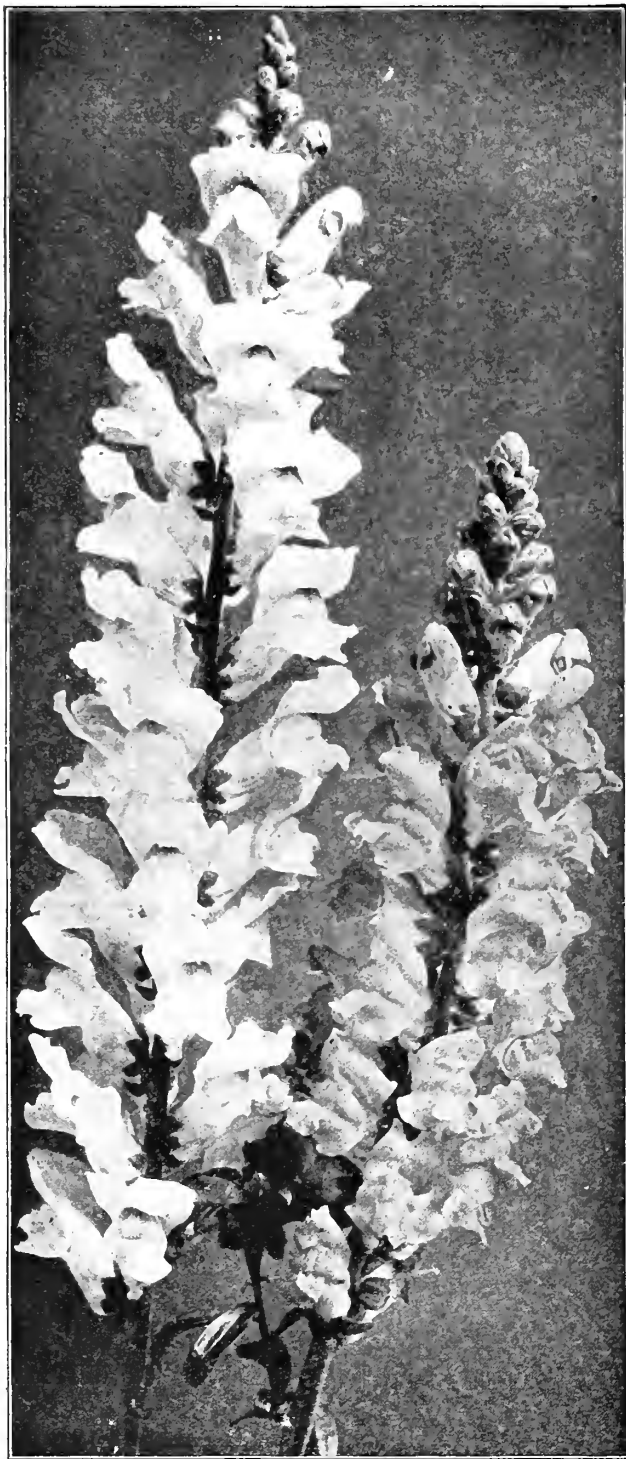
	Pkt.	1/2oz.	Oz.
Meteor. Double; yellow striped with orange..	\$0 05	\$0 25	\$0 40
Orange King. A very beautiful deep shade of orange-yellow. A splendid improvement on the variety Prince of Orange.....	25	1 25	2 00
Sulphurea fl.-pl.	05	25	40

CALLIOPSIS

	Pkt.	1/2oz.	Oz.
Drummondii (Golden Wave). Rich golden yellow.....	\$0 05	\$0 40	\$0 75
Tinctoria marmorata. Marbled yellow and brown.....	05	20	35

CANDYTUFT (Iberis)

	Pkt.	Oz.
Giant Hyacinth-flowered. Immense, pure white spikes; when grown in rows for cut-flowers best results can be obtained only by setting the plants at least a foot apart in the rows and 1 1/2 feet between the rows.....	\$0 25	\$3 00
Empress. Pyramidal, pure white.....	10	1 00
Queen of Italy. Light pink.....	10	50
Lilacina. Beautiful large-flowering lilac.....	10	50
Crimson. Bright crimson-red.....	10	50



Antirrhinum, Giant-flowering

CORNFLOWER (*Centaurea Cyanus*)

This favorite flower is frequently grown under glass for Christmas flowering. Sow in September.

	Pkt.	Oz.
Blue. Well-known blue.....	\$0 05	\$0 30
Rose. Delicate rose.....	05	40
White. Pure white.....	05	40
Double Blue. A variety largely used by commercial florists on account of its large-sized and double flowers.....	15	1 50

GIANT SWEET SULTAN

(Centaurea imperialis)

Our strains of Sweet Sultans are grown by a great many florists and gardeners, and are pronounced *par excellence*. Splendid for forcing under glass.

S. & W. Co.'s Pure White. One of the best varieties for cutting; large and deliciously sweet-scented.....	Pkt. \$0 15	¼oz. \$0 50
Pink. Pink with white tinge.....	15	50
Lilac. Delicate lilac.....	15	50
Purple. Purple-rose.....	15	50
Rose. Brilliant deep rose.....	15	50

Four Fine Centaureas (For Greenhouse Growing)

The following four varieties are largely grown by florists during the winter months for cut-flowers.

Suaveolens. (Yellow Sweet Sultan.) Very showy, bright yellow flowers; sweetly scented.....	Pkt. \$0 05	Oz. \$0 60
Odorata. Beautiful large flowers of light blue, deliciously scented.....	10	1 00
Odorata, Chameleon. Large flowers of pale sulphur-yellow, changing to rosy lilac.....	10	2 00
Marguerite (Giant White Cornflower). Flowers 4 inches across, purest white and very fragrant.....	10	1 00

CINERARIA

Seed should be sown from May to September where a succession is desired. When sown at this time, fine plants may be secured. The main point in the culture of Cinerarias is to secure as hardy a growth as possible with leaves of medium size. Seed may be transferred direct from seed-pans to thumb-pots. After planting, place in cold-frame facing north, if possible. As pots become full of roots, shift to larger ones until flowering size is reached.

S. & W. Co.'s Giant-flowering Mixed. This strain of Prize Cineraria is grown for us by a famous English seed specialist. The flowers seldom measure less than 3 inches in diameter, comprising the following colors: White, rose, flesh, crimson, blue, violet, etc. The plants are of a very robust dwarf habit, which, combined with the mass of giant blooms, makes this strain exceedingly valuable. Pkt. 50 cts.

S. & W. Co.'s Stellata. Delicate star-like blooms are borne in great profusion on long stems, giving this variety a double use, as it is excellent for cutting as well as decorative purposes; all shades.

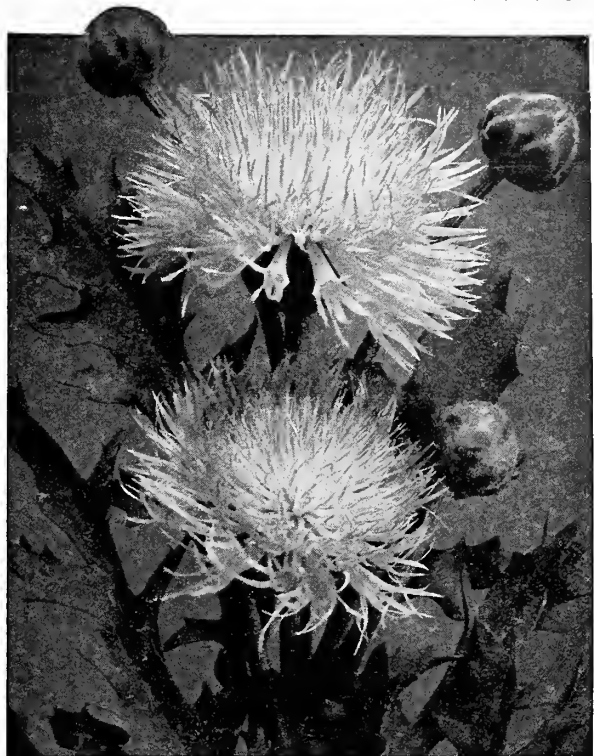
Tall Mixed. Pkt. 50 cts.

Dwarf Mixed. Pkt. 50 cts.

MIGNONETTE (Greenhouse-grown)

S. & W. Co.'s Triumph. This Mignonette is one of the choicest varieties for winter forcing. In type similar to Allen's Defiance, except that spikes are more compact and the individual florets are much larger in size. Seed of this grand variety is grown at our greenhouses, and is saved from the best spikes. Pkt. 50 cts.

Allen's Defiance. A popular variety for indoor culture. Very fragrant; fine for cutting. Pkt. 10 cts., oz. \$2.



Giant Sweet Sultan (*Centaurea imperialis*)

GIANT-FLOWERING CYCLAMEN

The following varieties of Cyclamen seed are American-grown. They have been developed from the best of Continental and European strains.

Fairy Queen. A very large, magnificent, frilled white, with a crimson eye. Pkt. \$1, 100 seeds \$5.

Pride of Cincinnati. A semi-double salmon; very large and free-flowering; one of the finest of its color. Pkt. \$1, 100 seeds \$5.

Glory of Wandsbek. Light and dark shades of salmon. Pkt. 100 seeds \$0 50 \$3 50

Brilliant Red. Very large and fine. 50 3 50

Christmas Cheer. Blood-red. 50 3 50

Rosea superba. A very pretty shade of shell-pink. Large flower and excellent grower. 50 3 50

Magnifica. Dark rose-pink; very fine. 50 3 50

Victoria. White, tipped with pink, fringed edge. 50 3 50

Daybreak. Delicate pink; very beautiful. 50 3 50

Pure White. Very large. 50 3 50

White, Pink Eye. Very large and fine. 50 3 50

Lavender. Dark and light shades, very beautiful. 50 3 50

MYOSOTIS (Forget-me-not)

All the varieties of these popular plants are very beautiful and general favorites with all; they succeed best in a moist situation. Half-hardy perennial. 1½ feet.

Alpestris. A pretty trailer with blue flower. Pkt. \$0 05 \$0 60

" **Eliza Fonrobert.** Sky-blue. 10 1 00

" **Victoria.** Dwarf habit; sky-blue. 25 1 50

Oblongata perfecta. Flowers borne on long spikes; very suitable for winter blooming. 10 1 25

Palustris (True Forget-me-not). 10 3 00

" **semperflorens.** Continuous bloomer. 10 2 50

Finest Mixed. 05 60

Ruth Fischer. The latest and said to be the finest and largest-flowered Forget-me-not yet sent out, producing flowers up to ½ inch in diameter, of true Forget-me-not blue; plants of strong, vigorous growth, of exceptional value for pot culture and spring bedding. 25

PRIMULA (Primrose)

The strains of Primula offered below are specially grown for us by a famous English Primula specialist and are selected from the finest and best-developed plants. Seed sown in April will bloom during early winter; August for spring blooming. Sow in shallow pans, in soil consisting of part sand and leaf-mold worked through a fine sieve and allow for good drainage. Cover seeds lightly and water frequently; give a temperature of about 65 degrees.

PRIMULA SINENSIS (Chinese Primrose)

This beautiful Chinese Fringed Primrose is indispensable for spring decoration in the home or conservatory, and ranks as one of the most important winter-blooming pot-plants grown by the florist. Our Giant Fringed strain is of the highest merit, and is carefully selected.

Stumpp & Walter Co.'s Giant Primulas

Giant Magnifica, Blue
Giant Crimson
Giant Rose Queen
Giant Ruby Queen

Giant Salmon
Giant White Fern-leaved
Giant Mixed

Pkt. 75 cts.; collection of 6 pkts. \$4.25

Giant Double White
Giant Double Princess of Wales,
Striped
Giant Double Blue

Giant Double Rosy Pink
Giant Double Salmon-Pink
Giant Double Mixed

Pkt. 75 cts.; collection of 6 pkts. \$4.25

Primula obconica gigantea

This type of Primula outrivals the old Obconica type, the flowers being considerably larger, often measuring 1 1/2 inches in diameter.

Pkt.		Pkt.	
Kermesina. Rich crimson.	25	Lilacina. Lilac.	25
Rosea. Rose.	25	Mixed. Pure white to	25
Alba.	25	crimson.	25



Schizanthus wisetonensis.



S. & W. Co.'s Giant Primula

PRIMULA STELLATA

A very pretty form, with large heads of star-shaped flowers of various colors; a splendid type for decorative purposes.

Giant White Star Giant Crimson Star Giant Rosy Star
Giant Salmon-Pink Giant Blue Star Giant Mixed

Pkt. 75 cts.; collection of 6 pkts. \$4.25

Forbesi (Baby Primrose). This is the freest-flowering Primula we know of. The little plants throw up tiny flower-stalks when only a few weeks old. These should be pinched off and the plants kept growing until October, and from then on until late in spring they produce their sprays of beautiful rosy lilac flowers in seemingly never-ending profusion. Pkt. 25 cts.

Kewensis. This new variety is most attractive, with pleasing bright yellow flowers borne on long stems. It is delightfully fragrant and stands well as a house-plant. Pkt. 25 cts.

Primula malacoides (The Giant Baby Primrose). The flowers measure 1/2 to 3/4 inch across, and the plants branch very freely. The flowers are of a pretty light lilac, are borne in whorls on stems which are graceful and strong. If grown in a greenhouse can be had in bloom in four or five months after sowing. A most delightful plant for table decoration. Pkt. 25 cts., 5 pkts. \$1.

Primula malacoides alba. This beautiful new variety is a welcome addition to this type of Primula. All those who have grown the white Malacoides have been pleased, making this variety a strong favorite. Makes a charming combination with the lilac form. Pkt. 25 cts., 5 pkts. \$1.

SCHIZANTHUS

(Butterfly or Fringe Flower)

These dainty plants are of easy culture in any good garden soil. They are also useful as pot-plants for spring flowering, the seed being sown in early fall and the plants kept in a light house and given plenty of room as they need it.

Wisetonensis. A variety largely used as a pot-plant for the house or conservatory. It is remarkably free-flowering and presents a beautiful appearance, with its myriads of blooms, the ground-color of which is white, dotted with delicate rose. Pkt. 25 cts., 5 pkts. \$1.

Dwarf Hybridus grandiflorus. New. A very popular strain of this well-known showy annual; plants grow 12 inches in height, of compact and pyramidal habit, with a great range of colors, bright and handsome. Splendid for border planting. Pkt. 25 cts., 5 pkts. \$1.

Mixed. A splendid mixture of the regular type. Pkt. 10 cts.



Six vases of Winter-flowering Spencer Sweet Peas, shown by William Vert, of the Howard Gould Estate, Port Washington, L. I., at the March exhibition of the International Flower Show, New York City, 1917, which won first prize. Seed supplied by us

NEW EARLY or WINTER-FLOWERING SPENCER SWEET PEAS

We have great pleasure in offering to our patrons a very complete list of Early or Winter-flowering Spencer Sweet Peas. Many of our patrons grew them under glass last fall and produced wonderful results. This, however, is not the only reason Sweet Pea growers have worked to produce the large-flowering strain of Sweet Peas to flower early. This new race of Early-flowering Spencer Sweet Peas are particularly adapted to sections where the Summer-flowering Spencer varieties have not proved satisfactory. In our southern states, Japan, Australia, as well as all tropical or subtropical countries, this strain of Early-flowering Spencers, if sown during the early fall months, will produce flowers during the winter and continue until killed by the extreme heat. This is a distinct advantage over the regular Spencer Sweet Peas which, if sown at the same time, will not begin flowering until April.

The expression *Early* before each variety is used so as to avoid these new varieties being confused with the late-flowering varieties
All packets contain 50 seeds each

Early Asta Ohn. Identical in color and size of blossom to the well-known late-flowering Asta Ohn. A very popular lavender. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.

Early Blanche Ferry. Identical in color to the popular late-blooming pink and white variety. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.

Early Cream. Identical in color to the splendid cream, late-flowering variety. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.

Early Heatherbell. A beautiful shade of rich lavender-mauve. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.50.

Early Rose Queen. A very popular shade of rose-pink. A variety that has been used extensively. Pkt. 35 cts., $\frac{1}{2}$ oz. \$1.50, oz. \$2.50.

Early Snowflake. One of the best white-flowering varieties. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.50.

Early Songbird. A pale pink variety, similar in color to the late-flowering Florence Morse Spencer. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.

Early Helen Lewis. Identical in color and size of blossom to the late-flowering Helen Lewis, being a fine shade of salmon-pink. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.50.

Early Spring Maid. A very light pink on a cream ground. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.

Early Melody. Beautiful shade of soft rose-pink. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.

Early Lavender King. One of the best of the new lavender selfs. This glorious new variety is a rich, true, deep lavender throughout. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.

Early Hercules. Identical in color and size of blossom to the late-flowering Hercules which is considered a glorified Countess Spencer. One of the finest bright pinks. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.50.

Early Morning Star. A beautiful shade of orange-scarlet similar in color to Thomas Stevenson. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.50.

Early Mrs. Spanolin. The finest black-seeded white variety. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.50.

Early Venus. Similar in color to Dainty Spencer in the late-flowering variety. Standard white, slightly flushed pink wings. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.

Early True Blue. As the name implies, this lovely novelty is a charming shade of true blue, or light grayish violet-blue, a color much wanted in this type. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.75.

Early White Orchid. A pure white. The flowers are of splendid substance. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.

Early Yarrowa. This beautiful variety, which was perhaps the first Winter-flowering Spencer Sweet Pea grown, has found a ready sale. The foliage is very heavy and the growth robust, sometimes reaching the height of 12 feet. The flowers are large and of a bright rose-pink color. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

Winter-flowering Beauty Stocks

A magnificent, recently developed strain of early-flowering Winter or Brompton Stocks, forming much-branched plants about 2 feet high, and having numerous spikes of very large, double, delightfully fragrant flowers; they are of special value as pot-plants for greenhouse decoration and for cutting during the dull winter months; for this purpose seed should be sown from July to September.

	Pkt.	$\frac{1}{2}$ oz.
Almond Blossom. White, shaded carmine.....	\$0 25	\$1 00
Beauty of Nice. Delicate pink.....	25	1 00
Crimson King. Rich blood-crimson.....	25	1 00
Mont Blanc. Purest white.....	25	1 00

	Pkt.	$\frac{1}{2}$ oz.
Monte Carlo. Canary-yellow.....	\$0 25	\$1 00
Queen Alexandra. Beautiful lilac.....	25	1 00
Summer Night. Rich deep blue.....	25	1 00

GENERAL LIST OF GRASSES

NOTICE. Several of the varieties of Grasses offered by us in previous years we are unable to supply.

- Agrostis stolonifera.** (True Creeping Bent.) This is our very best grass for putting-greens, being hardy, Lbs. and the creeping habit of its roots, constantly adding to the size of its plant, forms the closest mat. Will per bus. stand severe rolling and constant cutting. Should be in all lawn mixtures, but, on account of its very high price, is rarely used. Our seed of this very valuable grass is of the highest germination and purity 18 \$1 75 \$15 00 \$125 00
- Agrostis canina.** (Rhode Island Bent.) Very similar to the Creeping Bent. It is very difficult to find true Canina, and very often the ordinary Red Top is used for it. Our seed is grown in Rhode Island 18 1 75 15 00 125 00



Red Top Grass

- Agrostis palustris.** (Red Top, Fancy.) Also known as English Bent. This grass, while being valuable as a lawn grass, is not so permanent as the preceding two varieties, very often sold as Creeping and Rhode Island Bent by dealers who have not given the proper study and interest in the different varieties. Our seed weighs 32 lbs. to the measured bushel, and has a purity of 95 per cent, and germination of 97 per cent, the very highest quality... 32 45 4 00 35 00

- Agrostis palustris.** (Red Top, Unhulled.) *Vulgaris* Choice. This seed is the same as the preceding variety, but is the natural seed as harvested, without being machined to remove the hulls, and is recommended for large seedings and mixtures. This seed rarely germinates more than 60 per cent, and our stock is always of the very highest quality..... 18 30 2 50 20 00

- Alopecurus pratensis.** (Meadow Foxtail.) One of the most valuable varieties for permanent pastures. 10 1 00 8 50 75 00

- Anthoxanthum odoratum.** (True Sweet Vernal.) For field mixtures..... 10 1 10 9 50 85 00

- Avena elatior.** (Tall Oat Grass.) A valuable grass for hay and permanent pasture mixtures..... 14 50 4 50 40 00

- Avena flavescens.** (Yellowish Oat Grass.)..... 14 1 00 9 00 85 00

- Cynodon dactylon.** (Bermuda Grass.) Valuable in the South for lawns..... 36 90 8 00 75 00

- Cynosurus cristatus.** (Crested Dogtail.) An excellent grass for hard, dry soils; valuable for lawns in mixture..... 30 50 4 50 40 00

- Dactylis glomerata.** (Orchard Grass.) A valuable grass for shaded pastures, and should be in all pasture and hay mixtures 14 50 4 50 40 00

- Festuca duriuscula.** (Hard Fescue.) A good grass for lawns and grazing pastures, where the soil is poor and dry..... 20 80 7 00 60 00

- Festuca elatior.** (Tall Fescue.) True Rhenish. It is one of the most valuable grasses to go in mixtures for hay 24 80 7 00 60 00

- Festuca heterophylla.** (Various-leaved Fescue.) An even, tuft-forming grass, does well on light soils. It is a very good grass for lawns, for which its fine brush-like bottom leaves make it exceedingly fit..... 24 80 7 00 60 00

- Festuca ovina.** (Sheep, or English Fescue.) Does well on light, sandy soils, where other grasses have poor or no chance. A good grass for pastures..... 24 80 7 00 60 00

- Festuca ovina angustifolia.** (Fine-leaved Sheep Fescue.) A very good grass to go in mixtures for lawns. Inclined to burn the first season, but soon recovers and makes a very good turf the second year 24 1 00 8 50 75 00

- Festuca pratensis.** (Meadow Fescue.) One of the best upper grasses for permanent pastures; yields an abundance of fodder of great nutritive value. Much liked by all kinds of stock..... 27 60 5 50 50 00

- Festuca rubra.** (Chewing's.) New Zealand-grown. A partly creeping, tuft-forming grass; it thrives on all sorts of soil, even on dry, sandy bottoms, and forms a rather thickly covered turf, leaving very little room for weeds to come through. It is also valuable for shady places in lawns, and has been found to do well under the shade of pine trees 27 80 7 00 60 00

- Lolium italicum.** (Italian Rye.) For quick growth, and to assist other grasses during the first year; used in pasture mixtures in small quantities only 22 30 2 50 20 00

- Lolium perenne.** (English Rye.) Used for lawn mixtures where cheapness is the chief consideration—do not use for fine work..... 24 25 2 25 20 00

- Lolium perenne.** (Pacey's.) Used the same as English Rye, but the seed is shorter-grained, and claimed by some to be more hardy than English Rye..... 30 30 2 50 22 00

- Phleum pratense.** (Timothy.) For hay only..... 45 30 2 50 20 00

- Poa pratensis.** (Kentucky Blue Grass.) One of our best grasses for lawn or field; does best when sown with other grasses..... 24 50 4 50 40 00

- Poa nemoralis.** (Wood Meadow Grass.) Valuable for growing under trees, and our very best grass for shady lawns..... 24 90 8 50 75 00

- Poa trivialis.** (Rough-stalked Meadow Grass.) One of the best grasses for hay and permanent pasture mixtures..... 26 55 5 00 45 00

All our seeds are carefully examined as to purity and growth in our own laboratory and tested by the leading Seed-Testing Stations, such as Zurich (Switzerland), Paris (France), Washington, D. C.

The percentage of purity and growth is determined before we send out any seeds of any description from our establishment, and, in comparing prices, remember that we will furnish, on application, the percentage of purity and growth. We have only the very best qualities.

Prices on Grass and Clover seed subject to change without notice. Our Grass and Clover Seeds are the very finest, purest, re-cleaned seeds. We do not carry the cheaper grades. Prices are f. o. b. Boat or Railroad in New York City; bags extra at cost



A field of Leap's Prolific Wheat grown for us at the foothills of the Appalachian Mountains in the Shenandoah Valley. A hard red Wheat with hardly a fault

Selected Winter Seed Wheat

Prices subject to market changes. Delivery f. o. b. New York; bags extra at cost

BEARDLESS CHAFF WHITE
GRAIN HARD, LARGE, DARK

Leap's Prolific

STRAW LONG, STIFF RIPENS EARLY
SOW 1½ TO 2 BUSHELS PER ACRE

A variety of Wheat which originated in the Shenandoah Valley. Leap's Prolific need not be seeded as heavily as most other Wheats. It stools out strongly and roots deeply, each grain producing a great bunch of stalks. A large, dark red, hard Wheat which, while being a heavy yielder, is not weak in color or soft. The heads are large, the chaff of a beautiful white and without beards. The glumes are close together on the head and so well closed that the Wheat does not shatter badly in handling. The straw is of medium length, is thick walled, and holds up a crop of 40 bushels per acre finely. The new crop, which has just been harvested under our own supervision, is of very high quality and averaged 35 bushels per acre. We can confidently recommend this as one of the best winter Wheats we know of. **Pk. \$2, ½bus. \$3.25, bus. \$6, 10-bus. lots \$5.50 per bus.**

Jones' St. Louis Grand Prize (Beardless)

This variety has proven itself to be adapted to all soils, doing well on light, sandy, clay loam, or river-bottom lands, and is also almost as entirely fly-proof as a Wheat can be. A strong, vigorous grower, with dark, wide foliage. The straw is of medium length and very stocky; heads are square, compactly filled from base to tip, not extremely long, but the wide breasts running the length of the head encroach upon each other for room, and contain mostly four kernels each; color medium dark red, and of excellent milling quality. **Pk. \$2, ½bus. \$3.25, bus. \$6, 10-bus. lots \$5.50 per bus.**

Jones' Red Wave (Beardless)

This grand Wheat has fully maintained the good opinion expressed when first sent out in 1906. It is a cross between early Red Clawson and an unnamed crossbreed of Russian parentage. It is a bald Wheat with brown chaff; dark, medium-long, large grain; heads very long and broad, filled with medium-long, large, hard, dark kernels, rich in gluten. Straw golden; above medium height, stocky, very strong, thick-walled and not liable to go down; heads slightly leaning, hence not liable to sprout in the field. **Pk. \$2, ½bus. \$3.25, bus. \$6, 10-bus. lots \$5.50 per bus.**

GRAIN LARGE, HARD, LONG BERRY
TYPE, PLUMP, DARK RED

Lancaster Fulcaster

BEARDED. SOW 1¼ BUS
PER ACRE

Lancaster Fulcaster is rightly one of the most popular bearded Wheats. It is a variety that under our care and supervision was improved by years of selection from the old "Fulcaster." It is one of the purest Wheats now being offered. "Lancaster Fulcaster" is a **reliable yielder year after year**. In years when all conditions are against successful crops this variety proves its reliability by making good average yields in spite of adverse conditions. **Pk. \$2, ½bus. \$3.25, bus. \$6, 10 bus. \$5.50 per bus.**



SEASONABLE FARM SEEDS

Prices f. o. b. Boat or Railroad, New York,
and are subject to market changes

MAMMOTH WHITE WINTER RYE

The heads average 6 to 8 inches in length and are filled from end to end with large, plump, heavy grains. The straw is giant in length and strength and of extraordinary stiffness, resisting severe wind- and rain-storms to a remarkable degree without lodging. **Bus. \$4.50; in 10-bus. lots, \$4.25 per bus.**

ROSEN RYE

One of the greatest achievements in the science of breeding and selecting varieties of grain. Introduced in 1912 to the farmers of the State by the Michigan Experiment Station. A great yielding variety. Rosen occupies about three-fourths of Michigan's 550,000 acres of Rye. Now growing and giving excellent success in a great many parts of the United States and Canada. Rosen has the "big head;" its "big head" is "full." **Fk. \$1.50, bus. \$5, 10 bus. \$47.50.**

RECLEAVED ALFALFA

Now Is the Time to Sow

Sow 30 to 40 pounds per acre if broadcasted, or 25 to 30 pounds, if drilled in, in May, or during August and early September, or most any season when weather conditions are favorable; top-dress it with manure every fall, and it will rarely winter-kill. It can be cut usually three times in one season. The great secret in getting a successful stand of Alfalfa lies in the preparation of the ground; it will pay everyone who wants to grow this valuable farm-crop to give the ground preparation most intelligent thought. It must be borne in mind that an Alfalfa field properly started will yield successfully a score of years. Ask for our pamphlet on Alfalfa, mailed free. **Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$40.**

GRIMM ALFALFA

The Grimm Alfalfa is much hardier than the ordinary kinds obtained from Kansas, Utah and elsewhere, and there is even strong reason to believe that it is the hardest known form of the cultivated plant. It not only endures extremely low temperatures with or without snow and other adverse conditions, but it can be cut with greater safety late in the fall and will bear more abuse in the way of pasturage

All Farm Seeds listed on this page are furnished in seamless bags, for which a charge of 75 cts. for each two bushels is made

GRIMM ALFALFA, continued

than any other plant that has been compared with it until this time. There is some disagreement among investigators as to how Grimm Alfalfa obtained its hardiness, but there is no difference of opinion that it is hardy. **Lb. \$1.25, 10 lbs. \$10, 100 lbs. \$90.**

CRIMSON CLOVER (*Trifolium incarnatum*)

Splendid and Economical Cover-Crop for Using Green or Plowing Under

Used principally for soiling or green manuring, for which purposes it is largely used. If desired for feed, cut it just before it flowers; when desired for green manure or soiling, it should be left until mature before plowing under. Sow Crimson Clover in September and October or at the last working of such crops as corn, beans, melons, cucumbers, tomatoes, etc., at the rate of 20 pounds to the acre. **Lb. 35 cts., 10 lbs. \$3, 100 lbs. \$25.**

VARIOUS CLOVERS

Alsike, or Swedish (*Trifolium hybridum*). Hardest of all Clovers, and on rich, moist soil yields an enormous quantity of hay or pasture. Lasts many years. Sow 10 lbs. per acre when used alone. **Lb. 80 cts., 10 lbs. \$7, 100 lbs. \$65.**

Red Clover, Medium (*Trifolium pratense*). Medium Clover. The leading variety of Clover for pastures or meadows. Finest quality. Sow 20 pounds per acre alone, or 15 pounds where other grass or hay crops are standing. **Lb. 80 cts., 10 lbs. \$7, 100 lbs. \$65.**

White Dutch Clover (*Trifolium repens*). The best variety for lawns, as it forms a close herbage and remains green throughout the season. **Lb. 90 cts., 10 lbs. \$8.50, 100 lbs. \$80.**

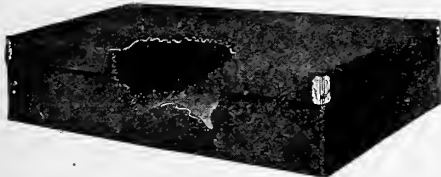
WINTER VETCH (*Vicia villosa*)

True Sand or Hairy Vetch

Extensively used as a soil renovator or for dry or green feed in the early spring. It may be sown alone or with winter rye or oats; is perfectly hardy, thriving in every climate, under most adverse conditions. Is very nutritious and live-stock relish it. When sown with rye, etc., it will attain a height of 4 to 5 feet; it requires one-half bushel to sow an acre, or one bushel if sown alone. Sow as early as possible in the fall or summer and get a good growth before cold weather sets in. 60 lbs. per bushel. **Lb. 50 cts., 10 lbs. \$4.75, 100 lbs. \$45.**

PRICES SUBJECT TO MARKET CHANGES

Flower Boxes, Baskets, Pots and Fiberware



Corrugated Flower Box

Flower Boxes

Cardboard, Flower. Green; lock corners.

	Length	Width	Depth	Doz.	100
No. 1.	18 in.	5 in.	3 in.	\$1 25	\$9 25
No. 2.	21 in.	7 in.	3½ in.	2 10	14 00
No. 3.	24 in.	8 in.	4 in.	2 50	17 00
No. 4.	28 in.	8 in.	5 in.	2 80	20 00
No. 5.	36 in.	8 in.	5 in.	3 40	25 00

Violet—
No. 5. 11 in. 5½ in. 8 in. 12 00
No. 10. 9 in. 3 in. 6 in. 9 00

Corrugated Cardboard. Very heavy and durable; extensively used by florists for shipping cut-flowers.

No.	Length	Width	Depth	Doz.	100
A.	20 in.	7 in.	4 in.	\$7 00	\$50 00
B.	28 in.	8 in.	5 in.	9 50	65 00
C.	30 in.	12 in.	6 in.	12 50	85 00
D.	36 in.	14 in.	8 in.	16 50	115 00
E.	48 in.	14 in.	8 in.	18 00	130 00
F.	36 in.	12 in.	6 in.	15 00	100 00

Wire Hanging Baskets

Steel wire, heavily galvanized. Line with moss and fill with house plants requiring little soil. They look very unique.

Diam.	Each	Doz.
8 in.	\$0 90	\$9 00
10 in.	1 10	11 00
12 in.	1 20	12 00
14 in.	1 30	13 00

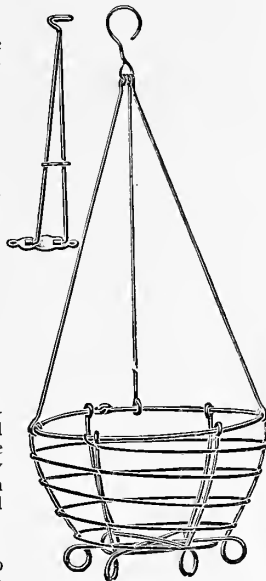
Strong, neat, swivel
Brackets furnished with screws, 50 cts.

Rustic Hanging Baskets

Bowl is hexagon-shaped, covered with laurel; fine finish. Are very attractive when filled with ferns and running plants.

Diam.	Each	Doz.
10 in.	\$2 25	\$24 00
12 in.	2 50	27 00
15 in.	3 00	30 00

Rustic Hanging Basket



Wire Hanging Basket

Flower Vases. FIBERWARE, Waterproof

For displaying cut-flowers. Not easily broken, like earthenware; do not rust like metal vases. Order by number. Inside dimensions are given.

No.	Depth	Diam.	Each	Doz.
0.	13 in.	8 in.	\$2 50	\$26 00
1.	10½ in.	5½ in.	2 00	22 00
2.	9 in.	4½ in.	1 80	20 00
3.	6½ in.	4 in.	1 65	17 00
4.	5 in.	3 in.	1 40	14 00
00.	21 in.	9½ in.	7 00	78 00
01.	20 in.	7 in.	4 40	45 00
11.	18 in.	6 in.	2 75	30 00
22.	15 in.	4½ in.	2 50	27 00
33.	12 in.	4 in.	2 20	24 00
44.	9 in.	3 in.	1 75	19 00

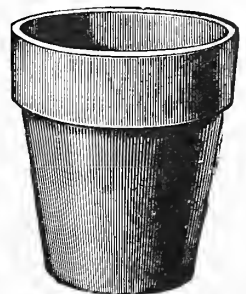


Flower Vase

Flower Pots, Standard

EARTHENWARE. Best on the market

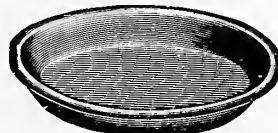
Diam.	Doz.	100	1,000
2 in.	\$0 35	\$1 50	\$12 00
2½ in.	40	2 10	16 50
3 in.	50	2 70	21 60
4 in.	80	4 20	33 60
5 in.	1 50	7 50	60 00
6 in.	2 00	11 25	90 00
7 in.	3 10	18 60	148 80
8 in.	5 25	28 00	224 00
9 in.	7 50	39 00	312 00
10 in.	11 00	58 00	464 00
12 in.	21 00	113 00	910 00



Flower Pot

Saucers of same material, to fit Pots, furnished extra

Diam.	Doz.	100	Doz.	100
4 in.	\$0 45	\$2 50	8 in.	\$1 60
5 in.	55	3 15	9 in.	2 25
6 in.	85	4 90	10 in.	2 75
7 in.	1 20	6 50	11 in.	3 00

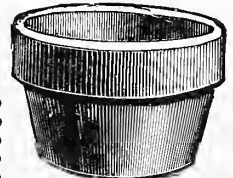


Flower-Pot Saucer

No.	Diam. outside	Each	Doz.	No.	Diam. outside	Each	Doz.
5.	5 in.	\$0 52	\$5 20	10.	10 in.	\$0 78	\$7 80
6.	6 in.	55	5 50	12.	12 in.	86	8 60
7.	7 in.	60	6 00	14.	14 in.	1 12	11 20
8.	8 in.	65	6 50	16.	16 in.	1 98	19 80
9.	9 in.	70	7 00	18.	18 in.	2 30	23 00

Bulb Pans. EARTHENWARE

Diam. at top	Depth	Doz.	100
8 in.	4 in.	\$4 50	\$26 50
9 in.	4½ in.	7 00	40 00
10 in.	5 in.	9 50	55 00
12 in.	6 in.	19 50	114 00
14 in.	7 in.	32 00	182 00
16 in.	8 in.	73 00	425 00

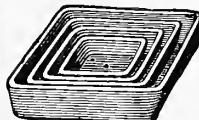


Bulb Pan

Square Seed Pans

EARTHENWARE

Size	Each	Doz.	100
6x6 in.	\$1 10	\$10 20	\$81 00
8x8 in.	1 40	13 20	112 50
10x10 in.	1 75	17 00	135 00
12x12 in.	2 20	20 50	160 00

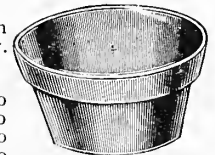


Square Seed Pans

Azalea Pots

These pots differ from standard flower pots in that they resemble the bulb pans but are deeper. Excellent for growing bulbs for exhibition.

Diam.	Depth	Doz.	100
6 in.	5 in.	\$1 80	\$11 00
7 in.	6 in.	3 15	19 00
8 in.	7 in.	4 50	28 00
9 in.	7½ in.	6 50	39 00
10 in.	8 in.	10 00	58 00
12 in.	10 in.	20 00	113 00



Azalea Pot

Paper Flower Pots, Neponset

Very economical; waterproof; can be nested closely for shipping.

Diam.	Doz.	100
2½ in.	\$0 15	\$0 75
3 in.	25	1 10
3½ in.	30	1 25
4 in.	40	2 00
5 in.	60	3 50
6 in.	85	4 50



Paper Pot

PRICES SUBJECT TO MARKET CHANGES

MISCELLANEOUS SUPPLIES

FOR COMPLETE LIST OF IMPLEMENTS AND SUPPLIES, SEE OUR SPRING CATALOGUE

Aprons, Gardeners'. English made. Each
 Fine shalloon, 39-in., with bib and pocket \$3 50
 Fine shalloon, 36-in., with bib and pocket 3 00
 Heavy serge, 39-in., with bib and pocket 3 00
 Heavy serge, 36-in., with bib and pocket 2 50

Bamboo Canes. See Plant Stakes, page 37.

Blinds, Split Bamboo. Tied with hemp string, and with pulleys.
 For shading greenhouses, or for porches and verandas. 5, 6, 8,
 10, and 12 feet wide, all 8 feet long in the drop. Price, \$3 per
 100 square feet. Intermediate sizes of above made to order.
 Price on application.

Broom, Bamboo. Excellent for sweeping lawns, putting-greens,
 and walks. Made of bamboo. \$1 each, \$10 per doz.

Carnation Supports. Model Extension, 2-ring, \$1 per doz., \$6 per
 100; 3-ring, \$1.25 per doz., \$7.50 per 100.

Carnation Bands, Rubber. To prevent splitting of calyx. 50 cts.
 per oz.

Clips, Eureka. For fastening rose and chrysanthemum wire stakes.
 \$1 per box of 500, \$1.50 per box of 1,000.

Corn Knife. For cutting cornstalks or heavy grass. 60 cts. each,
 \$6.50 per doz.

Dibbles, or Dibbers

Just the tool for planting bulbs
 where ground is in good condition.

Brass Point and Wood Handle. The best Dibble.
 Polishes quickly; does not rust. \$1.25 each, \$13 per doz.

Steel Point and Wood Handle. Regular size, 9 3/4 in.,
 85 cts. each, \$8.50 per doz.

Small size, 8 in., 75 cts. each, \$7.50 per doz.

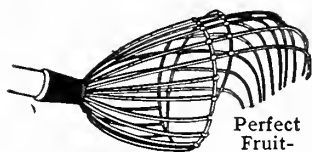


Forks

Hay. Finest-quality steel; oval-shaped tines, solid-steel shank, patent
 ferrule, long and strapped. 2-tine, \$1.70 each; 3-tine, \$1.90 each;
 4-tine, \$2 each.

Manure. Long or short handle. 4-tine, D handle, best material,
 \$2; 5-tine, D handle, best material, \$2.25; 6-tine, D handle,
 best material, \$2.50. Long-handle Manure Forks may be had at
 same prices.

Spading. 4-tine, D handle, best material, \$2.25; 5-tine, D handle,
 best material, \$2.75. Long-handle Spading Forks may be had
 at same prices.



Perfect
Fruit-
Picker

Fruit-Picker, Perfect. Made of
 steel wire, heavily galvanized;
 can be attached to any pole.
 60 cts.

Fumigators and Vaporizers. See
 page 39.

Gloves, Gardeners'. Heavy goat,
 for protecting hands. \$2 per
 pair.

Garden and Greenhouse Barrows

Regulation, No. 2, Boys'. Holds 2 cubic feet of earth. \$4 25

Regulation, No. 4, Medium. Holds 4 cubic feet of earth. 9 00

Regulation, No. 5, Standard Size. Holds 5 cubic feet of earth. 10 00

Wood Canal. Fully bolted; with wooden wheel. 4 50

Wood Canal. Fully bolted; with steel wheel. 5 50

Greenhouse. Built especially for narrow walks in greenhouse;
 also excellent for poultry-houses. 10 00

Glazing Materials

Permanite is a glazing compound composed of asbestos fiber and
 special long-life, weather-resisting, non-drying oils, which always
 keep it in an elastic condition and never allow it to harden. Little
 needs to be said about the addition of asbestos as the advantage of
 using this material—its indestructibility and ability to resist heat
 and cold—are too well known. 1 gal. \$2.50, 5 gals. \$2.40 per gal.,
 15 gals. \$2.25 per gal., 35 gals. \$2.10 per gal., 60 gals. \$2.10 per gal.

Permanite Gun. This Gun makes application of Permanite easy.
 Further particulars on request. \$6 each.

GLAZING MATERIALS, continued

Putty Bulb, Scollay. A useful tool similar to the well-known
 Scollay Sprinkler, with a tube instead of spray for applying liquid
 putty in glazing greenhouses. \$1.50 each, \$4.20 for 3, \$15 per doz.

Glazing Points, Van Reyper's. No rights or lefts. No 2, Large,
 single-thick glass, or for double-thick, for greenhouses and sky-
 lights. Box of 1,000, 75 cts.; in lots of 5,000, 70 cts. per 1,000.
 Pincers or pliers for same, 50 cts.; postpaid, 65 cts.

Diamond Glass Cutter. With guide-wheel. \$7.50.

Red Devil Glass Cutter. 30 cts., 50 cts. and 75 cts.

Putty Knife. No. 100. A very good tool. 50 cts. each.

Grafting Wax. 1/4 lb. 30 cts., 1/2 lb. 45 cts., lb. 75 cts.

Hose, Rubber



Electric. Three-ply, non-kinkable, molded Hose. The strength and
 durability of this Hose places it with the very best grade of Hose
 manufactured.

Standard lengths, 3/4-inch bore, 25 ft., \$6.50; 50 ft., \$12.50.

Standard lengths, 1/2-inch bore, 25 ft., \$6; 50 ft., \$11.

Other lengths, 3/4-inch bore, cut and coupled, 25 cts. per ft.

Other lengths, 1/2-inch bore, cut and coupled, 22 cts. per ft.

S. & W.'s Special Brand (Wayhead). Surpasses all the cheaper
 grades of Hose. Its durability is not excelled by much of the
 higher-priced Hose. It is three-ply, seamless and non-kinkable.
 The satisfaction it gives is proved in the increased demand for it
 each season. Standard lengths, 3/4-inch bore, 25 ft., \$5; 50 ft., \$9.
 Other lengths, 1/2-inch bore, cut, 18 cts. per ft.

Golf-Course. Four-ply heavy duck Hose, with exceptionally strong
 black tube and white cover. Especially adapted for use on golf-
 courses, tennis-courts, and cricket-creases. This is guaranteed
 for any pressure and hard work as usually found on golf-courses
 and private estates. Will stand up and give satisfaction under con-
 ditions where ordinary garden Hose has failed.

Standard lengths, 3/4-inch bore, 25 ft., \$7.50; 50 ft., \$15.

Standard lengths, 1-inch bore, 25 ft., \$10; 50 ft., \$20.

Hose Nozzles

Stott's. A Nozzle that has become a favorite
 among rose-growers, etc., for exterminating
 red spider. Splendid Nozzle for reaching
 under the foliage; gives a very fine, misty
 spray. Single, \$1.50; double, \$2.50.

Mistry Jr. Can be used for spraying white-
 wash. \$1.75 each.

Magic. Brass Hose Nozzle, 3/4-inch. Has a
 shut-off, a stream and a rose spray. With-
 out rose, \$1.25; with rose, \$1.60.

Justrite Spray. A very popular adjustable Nozzle. It gives a
 copious spray or a well-defined full stream. Has a positive shut-
 off, by turning the barrel of the Nozzle. 80 cts.

Bordeaux Spray Nozzle. A good nozzle for whitewash and all heavy
 spray materials. \$1.40.

HOSE COUPLINGS, Lightning. 3/4-inch, 50 cts.

Regular. 1/2-inch, 35 cts.; 3/4-inch, 40 cts.



Mistry Jr.

Hose Menders

Cooper's Brass. 1/2- and 3/4-inch, 12 cts. each, \$1.20 per doz.; 1-inch,
 15 cts. each, \$1.70 per doz.

Perfect Clincher. 40 cts. each, \$4 per doz., 1/2 inch or 3/4 inch.



Cooper's Brass Hose Menders

Hudson. Practical, simple
 and perfect. Box of 6
 tubes and 20 bands, with
 pliers, \$1. (Give size
 of hose when order-
 ing.)

STUMPP & WALTER CO.'S GENERAL SUPPLIES

PRICES SUBJECT TO MARKET CHANGES

MISCELLANEOUS SUPPLIES, continued

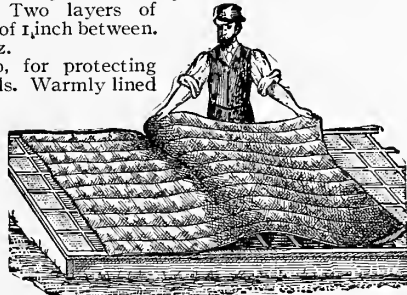
Hotbed Sash. Well made from clean cypress, glazed and painted two coats of white paint. \$9 each, \$100 per doz.

Double-Glass Sash. Two layers of glass with an air-space of 1/2 inch between. \$15 each, \$170 per doz.

Hotbed Mats. Burlap, for protecting coldframes and hotbeds. Warmly lined with waste wool and cotton, which are quilted in to hold position.

No. 1. 40 x 76 in.
Burlap on both sides. \$3.25 each, \$36 per doz.

No. 1. 76 x 76 in.
Burlap on both sides. \$6 each, \$60 per doz.



Hotbed Mat

Knives, Turf-Edging, Budding and Pruning

Solid Welded Steel Edging. Socket handle; made of the very best steel; imported English. 8-inch, \$3; 9-inch, \$3.25 Each

Half-Moon. Solid steel, with a polished handle. \$1 50 Without handle. 1 00

Pruning—
No. 1, horn handle, 1 blade. 1 75
No. 2, ebony handle, 1 blade. 1 25
No. 3, horn handle, 2 blades. 1 50
No. 4, ebony handle, 1 blade. 1 50
No. 5, horn handle, 2 blades. 2 00

Budding—
No. A, ivory handle. 2 75
No. B, bone handle, S. & W. 2 00
No. C, ivory handle, S. & W. 2 50
No. D, ivory handle. 1 75
No. E, ivory handle, 2 blades. 1 75
No. F, ebony handle, 1 blade. 1 25

Pot or Garden Labels

Wooden—	PLAIN			PAINTED		
	100	500	1,000	100	500	1,000
4-inch.	\$0 35	\$1 00	\$1 70	\$0 50	\$1 50	\$2 50
4 1/2-inch.	45	1 20	2 00	55	1 60	2 80
5-inch.	50	1 35	2 40	75	2 00	3 25
6-inch.	60	2 00	3 20	80	2 25	4 00
8-inch.	1 80	5 50	9 50	2 50	7 50	14 00
10-inch.	2 25	7 00	12 00	3 00	8 50	16 00
12-inch.	3 00	8 50	15 00	3 50	10 00	19 00

Copper-Wired—
3 1/2-inch. 60 1 00 2 75 80 2 25 4 00

Simplex Waterproof Plant Labels. The writing is protected by the transparent cover, and will last indefinitely if done with lead pencil.

No. 1. 3 x 1/2 in. \$0 25 \$2 00
No. 2. 4 x 3/4 in. 50 4 00
No. 3. 5 x 1 in. 75 6 00

Zinc Garden. These are unsurpassed, being neat, durable and indelible. The ink marks a jet-black, which remains distinct. Use a clean quill or pointed stick.

No.	Doz.	100	No.	Doz.	100
1. 4 3/4 x 3 1/2 in.	\$0 45	\$3 00	6. 2 1/4 x 2 in.	\$0 55	\$4 00
2. 4 x 2 3/4 in.	55	4 00	7. 2 3/4 x 7/8 in.	30	2 00
3. 4 x 3 in.	50	3 50	13. 2 3/4 x 1 1/4 in.	35	2 25
4. 5 x 1 in.	55	4 00	14. 1 1/2 x 1 1/4 in.	25	1 75
5. 3 1/2 x 2 1/2 in.	50	3 75	15. 4 1/4 x 4 3/4 in.	35	2 25

Bateman's Permanent Label Holder. This Label Holder is finished with an index card covered with mica, making it waterproof. 20 cts. each, \$2.25 per doz., \$17 per 100.

Label Pencils. Permanent writing on wooden labels. 15 cts. each, \$1.50 per doz. X-L-All, Indelible. 25 cts. each, \$2.50 per doz.

Label Indelible Ink. For zinc labels. 25 cts. per bottle.

Netting. Bird netting to protect all small fruits and vegetables. A good quality of cotton netting, 1-inch mesh, only in 20- and 30-ft. widths and of any reasonable length. \$3 per 100 square feet.

Paper—
Wax. 24 x 36. Ream. \$5 50
18 x 24. Ream. 5 00
Tissue. 24 x 36. Ream. 3 00
Manila. 24 x 36. Ream. \$6 00
Wrapping. 40 x 48. Lb. 21

Plant Sprinkler, Scollay. Made of best rubber. Straight neck, \$1.50; Angle-neck, \$1.60.

Post-Hole Auger. In soil free from large stones and roots, this tool works with great satisfaction. It is used as an ordinary auger-bit. 6-in. diameter, \$1.75; 8-in. diameter, \$2.

Post-Hole Digger, Iwan. Ease of operation and superior and rapid work are features of this new Digger; more than two hundred holes a day can be dug with it. 6-inch, \$3; 8-inch \$4.

Raffia, Natural. For tying plants. Lb. 50 cts., 5 lbs. \$2.

Colored. All colors. For basket-making. Lb. \$1.50.

Scythe Rifles, Emery-coated. 25 cts. each, \$2.50 per doz.

Scissors, Grape-Thinning. \$1.50; **Flower-Gathering.** \$2.

Shears, Pruning, S. & W. Co.'s Solid Steel. Made for long service; easily adjusted. 8 in. \$2.50, 9 in. \$2.75, 10 in. \$3.

Pruning, California. \$1.

Pruning, French. 8 in. \$3.50, 9 in. \$4.

Pruning, Wiss. A very satisfactory Shear, tempered to cut continuously without dulling; has detachable blade. 9 in. \$4.30; 10 in. \$5.15.

Pruning, Lady's Nickel-plated. 6 in. \$1.75.

Grass. Full nickel, solid steel. 6-in. blade \$1.25.

Grass, Imported English. Best procurable. 6 1/2 in., bent, \$1.50.

Border and Grass Edging. 10-in. blades, \$5; with wheel, \$5.50.

Lawn. 10-in. blades, with two wheels. \$6.50.

Hedge. Imported English, plain blade. 8 in. \$2.75, 9 in. \$3, 10 in. \$3.75; 8 in. notched, \$3, 9 in. notched, \$3.25, 10 in. notched, \$4.

Screens. Handy for ashes, coal, sands, gravel, etc. Extra-heavy wire; spruce frames. Small sizes, 25 x 62 inches, \$10; larger size, 28 x 66 inches, \$12. State whether 1/4, 1/2, 3/4 or 1-inch mesh is desired.

Silkline. See Twines.

Shovels, Ames' Long and D Handles. Long-strapped, round or square. \$2.85.

S. & W. Co.'s Pointed and Square. \$2.25.

Spades, Ames' Long and D Handles. \$2.85.

S. & W. Co.'s Special Long and D Handles. \$2.25.

English Turfing. For cutting and lifting sod. \$5.

American Turfing. \$2.

Plant Stakes and Supports

Plant, Tapering, Green—		Doz.		100	
	Doz.	100			
1 1/2 feet.	\$0 40	\$2 50	3 feet.	\$1 25	\$8 75
2 feet.	75	4 25	3 1/2 feet.	1 75	11 00
2 1/2 feet.	1 00	6 75	4 feet.	2 00	13 00
			5 feet.	2 50	16 25

Carnation Supports. See page 36.

Chinese Canes. These are genuine Chinese canes, very strong and heavy.

	100	1,000		100	1,000
2 feet, heavy.	\$2 00	\$16 00	7 feet, heavy.	\$7 00	\$70 00
4 feet, heavy.	4 00	32 00	8 feet, heavy.	8 00	80 00
5 feet, heavy.	5 00	40 00	10 feet, heavy.	9 00	90 00
6 feet, heavy.	6 00	60 00			

Japanese Canes. For staking plants and trees.

	100	1,000		100	1,000
6 feet.	\$3 00	\$25 00	14 feet.	22 00	200 00
8 feet.	5 00	45 00	16 feet.	30 00	250 00
10 feet.	6 50	60 00	18 feet.	40 00	300 00
12 feet.	17 00	150 00	20 feet.	50 00	400 00

Dahlia Poles—		Doz.		100	
	Doz.	100			
3 feet.	\$2 00	\$15 00	5 feet.	\$3 50	\$26 30
3 1/2 feet.	2 50	17 50	6 feet.	4 00	32 75
4 feet.	3 00	20 50			

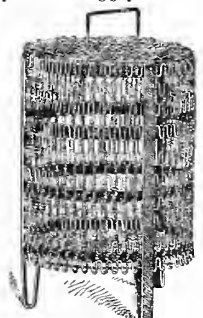
Galvanized Wire—		100		1,000	
	100	1,000			
3 feet.	\$3 00	\$30 00	4 1/2 feet.	\$4 20	\$42 00
3 1/2 feet.	3 30	33 00	5 feet.	4 80	48 00
4 feet.	3 80	38 00	6 feet.	5 00	50 00

Tomato Supports, Wire. 32 inches high, 14 inches in diameter, made of heavy steel wire. 40 cts. each, \$4.50 per doz., \$35 per 100.

Burners for Leaves, Paper, and Rubbish

The best receptacle used for burning leaves, papers, and all kinds of rubbish. This handy Burner is a safeguard against many fires that have their origin in the burning of rubbish in the open. The Burner is extra strong, manufactured of heavy galvanized steel wire, reinforced with iron supports. Made to give life-long satisfaction. We supply this Burner in three sizes.

No.	Diam.	Height	Weight	Each
1.	15 in.	24 in.	16 lbs.	\$6 00
2.	18 in.	30 in.	22 lbs.	8 00
3.	20 in.	35 in.	33 lbs.	12 00



PRICES SUBJECT TO MARKET CHANGES
MISCELLANEOUS SUPPLIES, continued

Plant Tubs

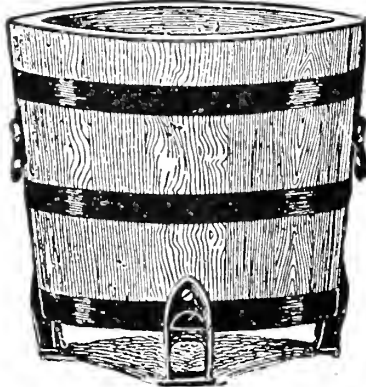
Plant Tubs, New York Cedar. Made of the very choicest seasoned cedar, highly finished with black hoops; will last twice as long as cypress tubs.

No.	Inside Diam.	Height	Price
1	12 in.	10½ in.	\$3 75
2	13 in.	13 in.	5 00

No.	Inside Diam.	Height	Price
3	14½ in.	15 in.	\$6 25
3½	16½ in.	15¾ in.	7 50
4	19½ in.	17 in.	9 50
5	22½ in.	18½ in.	12 00

Barclay Tree Tubs. Made of seasoned, selected Virginia White Cedar; bound with electric welded wire hoops (galvanized), three hoops to each, except the smallest two tubs which have two.

No.	Inside top diam. inches	Inside depth inches	Price each
1	6	6	\$1 00
2	7	7	1 10
3	8	8	1 20
4	9	9	1 35
5	10	9	1 60
6	11	10	2 00
7	12	11	2 10
8	13	12	2 90
9	14	13	3 25
10	15	14	3 95



New York Cedar Tub

Rolling Stands

Heavy Fiberware, Waterproof. Stand consists of two pieces of steel, securely riveted to four casters. Will support heavy tubs, pots, etc. Can be readily rolled about without injuring the floor. No dampness under the stand. When ordering, give the outside diameter of bottom of tub.

Outside diam.	Takes tubs of bottom diam.	Each	Doz.
12 in.	10 in.	\$1 50	\$15 00
14 in.	11 in.	1 80	18 00
16 in.	13 in.	2 70	27 00
18 in.	15 in.	3 20	32 00
20 in.	17 in.	3 60	36 00
22 in.	20 in.	4 00	40 00

S. & W. Co.'s Smilax Thread. This Thread is very strong, green in color and warranted not to fade. Best Thread on the market. 25 cts. per spool, \$1.50 per lb., \$4 per box of 3 lbs.

Silkline. Very largely used for tying. Three sizes, F, FF, and FFF. 40 cts. per spool, \$3 per box of 8 spools.

Bouquet Twine. White, in 3-oz. balls. \$1.25 per lb., \$6 for 5 lbs.

Sea Island Cotton. Green, 2-oz. balls, 15 cts. per ball, \$1 per lb.

Twine, Soft. For tying vines, etc.; very strong. 2- and 3-ply. Large balls, 35 cts., 2 balls for 65 cts.

Tarred Yarn. Excellent, low-priced material for raspberries, shrubs, etc. Ball, \$1, 5 balls, \$4.50.

Tarred Marline. Of better quality than the above; twisted in strands. Balls, 2 lbs. \$1, 5 balls \$4.50.

ILLINOIS SELF-WATERING WINDOW BOXES

Remarkable for the small amount of attention required to secure the finest growth in all kinds of plants. The reservoir in bottom provides the water as needed; it is only necessary to examine the surface of the soil occasionally and, if dry, to refill the reservoir. A liberal supply of air to the roots is constantly maintained through the sponges, the soil will always be found mealy and loose, and the moisture is always evenly distributed from top to bottom of soil. Do not refill reservoir unless the condition of the soil shows that watering is needed.

Price for either design A or B

No.	Height in.	Width in.	Length in.	Capacity qts.	Price
1	8	9½	23	2½	\$3 45
2	8	9½	25	3	3 75
3	8	9½	27	3½	4 65
4	8	9½	29	4	4 35
5	8	9½	31	4½	4 65

No.	Height in.	Width in.	Length in.	Capacity qts.	Price
6	8	9½	33	5	\$4 95
7	8	9½	35	5½	5 25
8	8	9½	37	6	5 55
9	8	9½	39	6½	5 85
10	8	9½	41	7	6 15

FOR BULBS. Our Self-watering Baskets and Boxes are, without question, the most satisfactory device for growing bulbs ever devised. A beautiful and certain growth, with a minimum of care.

FOR FERNS. Nearly every home-lover is a lover of ferns, but few succeed with them. They never fail in Illinois Self-Watering Flower Boxes or Hanging Baskets.

Watering Pots, Haw's Pattern—

No. 0.	3 qts.; shelf; 9-in. spout, one pot rose and extra joint	\$3 00
No. 2.	4 qts.; japanned; 2 roses	5 50
No. 3.	6 qts.; japanned; 2 roses	6 50
No. 4.	8 qts.; japanned; 2 roses	7 50
No. 5.	10 qts.; japanned; 1 rose and spreader	9 00

Plain. Heavy galvanized; round and oval; each pot has two roses—one fine and one coarse.

6-quart, round	\$4 00	6-quart, oval	\$4 50
8-quart, round	50	8-quart, oval	5 00
10-quart, round	5 00	10-quart, oval	5 50
12-quart, round	5 50	12-quart, oval	6 00

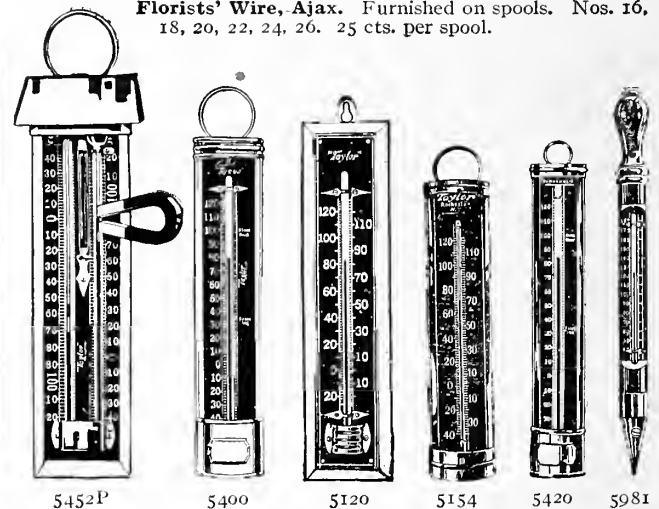
Weeders, Reversible Weed Gouge. 75 cts.

Chisel-Blade Weed Cutter. Long handle, with foot-rest. \$1.

Wire, Bouquet, Florists' Annealed. Nos. 22, 23 and 24. In coils of 12 lbs., \$3 per coil.

Florists' Bright. Cut in lengths. In boxes of 12 lbs. (one stone). 12 in. and 18 in. long. No. 22, \$3; No. 24, \$3.50.

Florists' Wire, Ajax. Furnished on spools. Nos. 16, 18, 20, 22, 24, 26. 25 cts. per spool.



No. 5452P, Self-Registering. (Siex's Pattern.) Copper case, black brass scale, white figures. **Maximum and Minimum.** 8-inch, \$5.50; 10-inch, \$6.50. Magnet with each.

No. 5400. Black japanned heavy tin case; brass scale, white figures. (Mercury.) Scale range, 10 to 40 degrees below zero to 120 above. **Standard Grade.** 8-inch, \$1.25; 10-inch, \$1.75.

No. 5420. Black japanned heavy tin case. For greenhouses. Black oxidized brass scale, white figures. (Spirit.) 8-inch, 85 cts.; 10-inch, \$1.10.

No. 5154. Copper case; distance reading. Black oxidized brass scale, white figures. (Spirit.) Scale range, 120 degrees above to 40 degrees below zero. 8-inch \$1; 10-inch, \$1.25.

No. 5120. Distant reading. Wood-back Mission finish, brass scale, white figures and graduation. (Spirit.) Easy to read at distance. 8-inch, \$1.25; 10-inch, \$1.50.

No. 5981. Hotbed. Wood frame, 16 inches, with point. Brass oxidized scale, white figures and graduations. Best grade, \$2.50.



Self-Watering Window Box, Design A

REMEDIES FOR INSECTS AND FUNGUS

NOTE.—Insecticides marked* can be sent by Parcel Post at purchaser's expense. Consult your local post-office for rate from New York

ALL PRICES SUBJECT TO MARKET CHANGES

This list contains most of the remedies used in the fall of the year. For a more extensive list see our Spring Catalogue, pages 141 and 142.

Aphine. Effective against all soft-bodied and plant-sucking insects, such as green, black and white fly, red spider, thrip, mealy bug, brown and white scale. Used as a spray when diluted with water in the proportions as directed on each can. Endorsed by professional gardeners and commercial growers of reputation. An insecticide which can be used indoors and in the garden. An excellent cleanser for houseplants. Gal. \$3.75, qt. \$1.25, pt. 75c., ½pt. 50c., ¼pt. 30c.

By special arrangements with the manufacturers, we can send the following sizes express prepaid: Qt. \$1.50, pt. 90 cts., ½pt. 35c.

Arsenate of Lead, Paste. For caterpillars and chewing insects. For spraying trees and shrubs against leaf-chewing insects, fruit flies, and codling moth. Contains 15½ per cent of arsenic oxide, mixes easily in water without clogging nozzle, sticks like paint, kills quickly, and will not burn foliage. Dilute 1 pound to 25 gallons of water. Lb. 45 cts., 5 lbs. \$2, 10 lbs. \$3.50, 25 lbs. \$6.50, 50 lbs. \$11.50, 100 lbs. \$21.

Black Leaf 40. A concentrated solution of nicotine sulphate; an excellent spray for black aphides and sucking insects of all kinds. Dilutes one part to 900 or 1,000 parts of water, according to treatment. Full directions on each package. 1-oz. bottle 25 cts., ½-lb. tin \$1, 2 lbs. \$3.25, 10 lbs. \$13.75.

Borowax. The fruit-grower's friend. A complete protection against borers if properly applied to peach, plum, apple, pear, and quince trees. Qt. 35c., ½gal. 60c., gal. can \$1, 6 gals. \$5, ½bbl. \$20, bbl. \$35.

***Climax Lawn Sand.** A unique combination of carefully dried and finely ground chemicals. Destroys weeds in lawns. 14-lb. can \$2, 28-lb. pkg. \$3.75, 56-lb. pkg. \$7.25, 140 lbs. \$14.

Copper Solution Ammoniated. A fungicide the same as bordeaux mixture, the essential ingredient, carbonate of copper, being dissolved in ammonia in this, while in bordeaux it is counteracted by lime. Bordeaux is the cheaper and more popular for all ordinary purposes, but for late sprayings, when fruits are nearing maturity, or plants in bloom, copper solutions are usually used. Qt. \$1.25, gal. \$4.

Tree Wound Paint. When applied it is an insurance against decay because its scientific composition gives penetrating, antiseptic and elastic waterproofing qualities found in no other paint. The lighter antiseptic material carries the heavier waterproofing material into the pores of the wood, and fixes them there so that the heat of the sun and other conditions cannot cause the coating to break away from the treated wood. Qt. \$1.25, gal. \$3, 5 gals. \$11.25, 10 gals. \$22.

Fir-Tree Oil Soap. A formula of fir-tree oil, prepared in soap form and preferred by some. It will do all claimed for the fluid preparation. ½lb. tin 30 cts., 2 lbs. 85 cts., 10 lbs. \$4.

***Grape Dust.** For mold, mildew, or rust-mites, either in the green-houses or the open air. 5 lbs. 85 cts., 10 lbs. \$1.60, 25 lbs. \$3.75.

Hellebore, Powdered. Good for exterminating currant worms. ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.25.

Kerosene Emulsion. For plant lice and other soft-bodied insects, especially woolly aphids; also for rose bugs, cabbage worms, scale, and melon louse. Contains 55 per cent kerosene. Dilute 1 part of Emulsion to 10 parts of water; for tender plants, 1 part to 25 to 50 parts of water. Qt. 65 cts., gal. \$1.50, 5 gals. \$6.

Kerosene Miscible Oil. Better than Kerosene Emulsion, mixes easier, has greater killing power, and is especially valuable against all soft-bodied insects. Can be used on practically all insects for which nicotine is employed. For woolly aphids on apple and thorn it is much more effective than nicotine. Contains 80 per cent kerosene. Dilute 1 part of Oil to 16 parts of water. Tender plants 1 part to 36 parts of water. Pt. 45 cts., qt. 75 cts., gal. \$1.75, 5 gals. \$8, 50 gals. \$50.

Lemon Oil. Odorless and poisonless; one to thirty to fifty parts of water. Destroys mealy bug, scale, thrip, red spider, black and green fly, caterpillar, etc. ½pt. 40 cts., pt. 60 cts., qt. \$1, ½gal. \$1.75, gal. \$3.

Lime-Sulphur, Bowker's Concentrated. One gallon makes ten gallons of spray; dilute with cold water. Bowker's Lime-Sulphur is manufactured under the direct personal supervision of skilled graduate chemists who have devoted years to manufacturing spraying materials, with the one dominant idea that any spray to be worth branding "Bowker's" must be absolutely the best of its kind. Bowker's is "Lime-Sulphur with the guesswork left out."

We sell and recommend Bowker's Lime-Sulphur because we have full confidence in it, and it has given our customers excellent satisfaction. 1-gal. can \$1.50, 5-gal. can \$5, 10-gal. can \$9. In barrels 50 gals. \$20.

Nico-Fume Liquid. This is a nicotine preparation, and is used by many of the leading growers. ¼-lb. can 75 cts., 1-lb. can \$2.25, 4-lb. can (½gal.) \$8.50, 8 lbs. (1 gal.) \$16.50.

***Nico-Fume Paper.** This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. It is also used for tying near blooms of chrysanthemums in early fall to keep down insects. Preferred by many who do not wish to spray or vaporize. Box of 24 sheets \$1.50, box of 144 sheets \$6, box of 288 sheets \$11.50.

Scalecide. Soluble crude oil. Used for the destruction of the San José scale. Dilute at the rate of one gallon to twenty gallons of water. Scalecide does not clog nozzles, hose, or pump, and is pleasant to use. This preparation is perhaps the best known and is very widely advertised. Orchardists throughout the country use it in large quantities. Trees may be sprayed in winter and early spring before they start to come to bud. Qt. 65 cts., gal. \$1.60, 5 gals. \$6.80, 10 gals. \$11.70, 30-gal. bbl. \$28.85, 50-gal. bbl. \$43.

Scale Destroyer, Target Brand (Soluble Oil). Most effective for leaf roller. Dormant spray for San José scale. Spray for tree-infesting scale and most soft-bodied sucking insects. No disagreeable odor, or clogging of nozzle, or burning of the eyes like Lime-Sulphur. May be used in spring or fall. Mixes easily, has no sediment. Dilute 1 gallon to 20 gallons of water. Qt. 65 cts., gal. \$1.65, 5 gals. \$6.50, 30 gals. \$27, 50 gals. \$41.

***Slug-Shot.** The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infect the vegetable- or flower-garden. 5 lbs. 75c., 10 lbs. \$1.20, 100 lbs. \$10.

Styptic, for preventing bleeding of vines after pruning. Bottle, 2.

***Sulphur.** Used principally in greenhouses for checking mildew (see below for Campbell's Sulphur Vaporizers). Lb. 20 cts., 5 lbs. \$1, 10 lbs. \$1.60, 25 lbs. \$3.25, 100 lbs. \$12.

Sulpho-Tobacco Soap. For plants, trees, cattle, poultry, etc. 3-oz. pkg. 20 cts., 8-oz. pkg. 35 cts.

***Tobacco Dust (Kilmdead).** The best of the Tobacco Dusts for dusting or fumigating. Lb. 25 cts., 5 lbs. 75 cts., 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6.

Tobacco Stems. Used for fumigating and under benches in green-houses. Bale about 100 lbs. \$4.

Vermine. A soil sterilizer and germicide for all soil vermin, such as cut, eel, wire, and grub-worms, slugs, root-lice, maggots and ants. Use one part of Vermine to 400 parts of water, thoroughly soaking the ground. It does its work effectively without injury to vegetation, and protects your crops and lawns against the ravages under the soil. ¼pt. 25 cts., ½pt. 40 cts., pt. 65 cts., qt. \$1, gal. \$3, 5-gal. keg \$12.50.

X-L-ALL LIQUID INSECTICIDE. Destroys mealy bug, scale, thrip, red spider, green and black fly, caterpillars, blight and all insect pests in the garden; it is perfectly safe to use on tender plants. For the winter dressing of vines, figs, peaches, and other fruit trees, it has been proved to be the safest and most valuable preparation in the market. Leaves the foliage bright and clean, and much improved in appearance. Qt. \$2, ½gal. \$3.75, gal. \$7.

X-L-ALL Vaporizing Compound. Used very extensively abroad for vaporizing. No. 1 (sufficient for 40,000 cubic feet), \$8; No. 2 (sufficient for 20,000 cubic feet), \$5; No. 3 (sufficient for 10,000 cubic feet) \$2.50.

Fumigators and Vaporizers

Fumigator, "Eureka." For fumigating with tobacco stems
No. 1, holds ½ peck stems.....\$3 00
No. 2, holds 1 peck stems.....4 00
No. 3, holds ½ bushel stems.....5 00

Vaporizing Lamp, Defiance.

Practical and indestructible; all metal; burns kerosene; used for dispensing fumes of Nico-Fume and other preparations of this sort. 75 cts. each.

Vaporizer, Campbell's Patent Sulphur.

Designed to vaporize sulphur in green-houses without danger. Most useful for killing mildew and other fungous diseases.
No. 1, for houses up to 5,000 cubic feet of space.....\$7 00
No. 2, for houses up to 10,000 cubic feet of space.....9 00

Glass Balls for above. Box of 6, 25 cts.

Yellow Powder. Tin, 30 cts.

Hollow or Solid Wicks, for either size, 25 cts.

X-L-ALL Vaporizing Lamp. A lamp specially designed for vaporizing of X-L-All Compound Small size, 75 cts.; larger size, \$1.



Defiance



Sulphur Vaporizer

INDEX

Flower Seeds

	Page
Antirrhinum	28
Asparagus	28
Bellis	28
Butterfly Flower	30
Calceolaria	28
Calendula	28
Calliopsis	28
Candytuft	28
Centaurea	29
Cineraria	29
Cornflower	29
Cyclamen	29
Daisy, Double	28
Forget-me-not	29
Fringe Flower	30
Iberis	28
Marigold, Pot	28
Mignonette	29
Myosotis	29
Pansies	27
Primrose	30
Primula	30
Schizanthus	30
Snapdragon	28
Stocks	31
Sweet Peas	31
Sweet Sultan	29

Bulbs

Crocus	20
Daffodils	15-19

Bulbs, continued

Daffodil, Double	15
Freesias	14
Hyacinths	11-14
Dutch Roman	14
Matchless Bedding	12
Miniature	14
Selected First Size	13
Top-Root Exhibition	11
Window-garden Collection	40
Jonquils, Sweet-scented	19
Lilies	20-23
Calla	22
Chinese Sacred	20
Coral	21
Easter	22
Golden-rayed, of Japan	21
Hardy	21, 22
Madonna	21
Lily-of-the-Valley	23
Narcissi	15-19
Double	15
Favorite	16
Giant Paper-White	15
Giant Trumpet	16, 17
Medium Trumpet	18
Poetaz	19
Poet's	19
Polyanthus	15
Van Sion	15
Tulips	1-10
Botanical	5

Tulips, continued

Double Early	10
May-flowering Dutch Breeder	6
May-flowering Giant Darwin	1-3
Old English Cottage	4, 5
Parrot	7
Rembrandt	7
Single Early	8, 9
Mixture	10
Striped and Feathered May-flowering	7

Farm Seeds

Alfalfa	34
Clover	34
Rye, Winter	34
Vetch, Winter	34
Wheat, Winter	33

Miscellaneous

Azalea Pots	11, 35
Bowls, Glass	15, 20
Fertilizers	3d cov.
Fiberware	35
Flower Boxes, Baskets, Pots, and Fiberware	35
Grasses, General List of	32
Hyacinth Glasses	40
Miscellaneous Supplies	36-38
Mushroom Spawn	31
Strawberry Plants	24-26
Pebbles	20
Remedies for Insects and Fungus	39
Thermometers, Mushroom or Hotbed	38

Special Window-Garden Collection of Hyacinths

We have selected six of the best varieties listed on page 13 which are especially adapted for window-garden culture: Pink, Gigantea; Red, Garibaldi; White, L'Innocence; Light Blue, Grand Maitre; Dark Blue, King of the Blues; Yellow, Yellow Hammer.

6 bulbs, one of each variety	\$1 50
18 bulbs, three of each variety	4 00
36 bulbs, six of each variety	7 50

Hyacinth Glasses

Hyacinths can be easily and successfully grown in water, giving good spikes of bloom. Single varieties are generally used. *Cannot be sent by mail.*

Belgian or Tye Shapes. In 5 shades—Crystal, Blue, Green, Amber and Amethyst. Belgian shape, 35 cts. each, \$3.50 per doz. Tye shape, 40 cts. each, \$4 per doz.



Belgian



Tye

We, Stumpp & Walter Co., give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and will not be responsible for the crop.

We, Stumpp & Walter Co., give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and will not be responsible for the crop.

Date.....19

AMOUNT ENCLOSED

\$

Name

P. O. Box, Street,
or Rural Delivery

Post Office

County _____ **State** _____

Station or Express Office _____

Only if different from Post Office

Send by _____

State if wanted by Mail, Express or Freight

Superintendent or Gardener

That we may enter for Catalogs

We are pleased to call our patrons' attention to our Special Free Delivery Offer on inside front cover of our Catalog.

[illegible]

Most of the Bulbs offered in this catalog are ready for shipment in September; a few varieties are late-maturing and will be forwarded in October and November.

STUMPP & WALTER CO.'S FERTILIZERS

FERTILIZERS

Our list contains the very best and most modern kinds. We can quote special prices on carload quantities

ALL PRICES SUBJECT TO MARKET CHANGES

ASHES, CANADA HARDWOOD. Quantity required: Apply one to two tons to the acre, as one heavy application will help much more than the same quantity would applied in fractions. Apply in early spring or late fall. Bags, about 100 lbs., \$3.50 each; ton, 20 bags, \$40; by car, \$35 per ton.

BASIC SLAG. See Phosphate.

BLOOD (Dried). Excellent for indoor culture of flowering plants, such as carnations, roses, etc. Its chief element is nitrogen. 10 lbs. \$1.50, 50 lbs. \$6, 100 lbs. \$10.

BON ARBOR. A concentrated chemical fertilizer to be used in liquid or powder form according to the directions on the package. Dilute 1 pound with 30 gals. of water. $\frac{1}{2}$ lb. pkg. 50 cts., 1-lb. pkg. 75 cts., 5 lbs. \$2.50. Furnished in lots of 100 lbs. or over at \$33 per 100 lbs.

NO. 2 BONE DUST FOR GENERAL USE. A bone dust about pinhead size, with a fair percentage of bone flour. Excellent for top-dressing lawns as well as good for mixing with soil. Sold largely to carnation- and rose-growers for top-dressing and for mixing with soil. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$6, ton \$90.

S. & W. CO.'S CHARCOAL. For mixing with soil for pot-plants and vines. No. 1, powdered; No. 2, Medium; No. 3, Lumps, 3 to 4 inches. Any size, per bag of 50 lbs., \$2.75, 100 lbs. \$5, 1,000 lbs. \$46, 2,000 lbs. \$90.

CLAY'S FERTILIZER. A celebrated English chemical fertilizer used for forcing greenhouse plants and vegetables. 14-lb. bag \$2.50, 28-lb. bag \$4.25, 56-lb. bag \$8, 112-lb. bag \$16.

COW or CATTLE MANURE, Shredded. One sack of this is equal to one carload of fresh cow manure; is convenient to handle, making it possible for everyone to get this usually scarce article at all times. In 100-lb. sacks only, 100 lbs. \$5, 500 lbs. \$18, 1,000 lbs. \$34, ton \$65.

EMERALD LAWN DRESSING. A clean, portable and convenient lawn dressing, which we have found to be never-failing in inducing a rapid and rich green growth. It should be sown broadcast in the spring or fall. It is in every way more desirable than manure. The use of Emerald Lawn Dressing entirely does away with the old practice of top-dressing lawns with stable manure. Quantity required: A 10-lb. package is sufficient to go over an area of 300 square feet, or for forming a new lawn, from 1,000 to 1,500 lbs. to the acre, or a smaller quantity for renovating an old one. It is best to apply during dull weather and if applied during warm weather, soak down with a hose after applying. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6, 500 lbs. \$25, 2,000 lbs. (ton) \$80.

LIME, Agricultural, Hydrated. This Lime is specially prepared for use on the soil, and is a combination of calcium-hydrate and calcium-carbonate, finely pulverized. Quantity required: Heavy soils, 2,000 to 6,000 lbs. to the acre; light, sandy soils, 1,000 to 3,000 lbs. to the acre, according to their apparent need. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. 90 cts., 100-lb. bag \$2, 500 lbs. \$8.75, ton \$28. In lots of three tons or over, \$24 per ton; carload lots, \$22 per ton, f. o. b., New York.

LIMESTONE, PULVERIZED. This product is having a large sale among the most intelligent agriculturists, with the best results. It is made from the purest crystalline, white limestone obtainable.

Limestone, Pulverized, continued

and has many advantages over burnt or caustic lime. Not being caustic, it does not burn the humus in the soil, and may be applied at any time of the year without danger. It is good for all crops, is especially recommended for the successful growing of alfalfa, and, owing to its extreme fineness, admits of very even distribution. Apply 2 tons to the acre. Put up in 100-lb. bags, \$2, 500 lbs. \$8, 1,000 lbs. \$15, ton \$27. In carload lots, in bags, f. o. b. works, \$18 per ton. In car lots in bags, the bags returnable at 8 cts. each, delivered back to the works. This makes net cost of \$16.40 per ton.

NITRATE OF SODA. Being extremely soluble, it is usually applied after the plants are above ground, 100 to 500 lbs. to the acre being required. 1-lb. tin 30 cts., 5-lb. pkg. \$1, 10-lb. pkg. \$1.75, 25-lb. bag \$3, 50-lb. bag \$5, 100 lbs. \$9.

OYAMA is fine for all kind of plants, ferns, roses, bulbs, shrubs, flowers, lawns, berries, fruit, etc., and you can raise delicious, large, crisp vegetables earlier than your neighbors. House-Plant Size (makes 6 gals.) 30 cts., Garden Size (makes 32 gals.) \$1.10.

PHOSPHATE, High-Grade Acid, or Rock. Apply 1,000 lbs. to the acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200-lb. sacks only, \$7, ton \$50.

PHOSPHATE, Thomas' Basic Slag. Contains proper elements to produce a rich, luxuriant growth; apply 600 to 800 lbs. to the acre. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6.

SALT. For agricultural purposes, asparagus beds, and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. to the acre in early spring. 10 lbs. 40 cts., 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2, 200 lbs. \$3.75, ton \$35.

SCOTCH SOOT. Genuine imported. For stimulating a healthy growth of dark green foliage, and it will free the soil of slugs, grubs, and cut-worms. 10 lbs. 75 cts., 50 lbs. \$3.50, 112 lbs. \$6.

SHEEP MANURE, PURE PULVERIZED. A pure, natural, nutritious manure. Immediate and lasting in effect. Excellent for mixing with the soil for greenhouse plants. In the vegetable-garden it promotes a rapid, steady growth until maturity. It makes a rich liquid manure. Quantity required: For garden and field crops, one to two tons to the acre; one-half before plowing, the balance before harrowing. For top-dressing grass, use one ton to the acre, applied in fall or early spring. 100-lb. bag \$5, 500 lbs. \$18, ton \$65. In packages of 5 lbs. 50 cts., 10 lbs. 90 cts.

SPENT MUSHROOM SOIL. Partly decayed horse-manure. A plant-food low in price and high both in fertilizing value and humic content. There is no better material for making a compost heap, for top-dressing putting-greens and fine lawns. Prices on carload lots delivered to your shipping-point quoted on request.

THOMSON'S CHRYSANTHEMUM MANURE. A highly concentrated English chemical fertilizer used by the leading private gardeners in America and abroad. May be used in liquid or dry form. 7-lb. bag \$1.75, 14-lb. bag \$3, 28-lb. bag \$5.50, 56-lb. bag \$10.

THOMSON'S SPECIAL FLOWER, VEGETABLE, and VINE MANURE. This excellent chemical fertilizer is used extensively for forcing flowers, fruits and vegetables. 28-lb. bag \$3, 56-lb. bag \$5.50, 112-lb. bag \$10.

COCOANUT FIBER, PEAT, MOSS, AND WORM ERADICATOR

Cocoanut Fiber. Excellent material for use in growing bulbs without drainage. 5 lbs. 25 cts., 25 lbs. \$1, 50 lbs. \$1.50, 100 lbs. \$2.50.

Leaf-Mold. Used for preparing rhododendron beds. Bbl. \$3.50.

Moss, Live Green Sphagnum. Freshly gathered in season. Bbl. \$5.

Moss, Dry Sphagnum. Large bale, \$5.

Moss, Sheet, Natural Green. For covering the pots or tubs of large plants; sheets range in size about 1 foot wide and from 2 to 5 feet long. Bag (10 lbs.) \$5.

Peat (Osmundi). For orchids. Bbl. \$4.

Peat, Rotted, Fibrous. An excellent material for mixing with potting soil for many plants. This peat has been dug from an old bog and exposed for a number of years until it has become thoroughly decayed. Bbl. \$4.

Vermol Worm Eradicator. For fine lawns, putting-greens and tennis-courts. Vermol is an ideal worm-killer, being non-poisonous, safe to handle, harmless to bird and animal life, and beneficial to the grass as it has a mild fertilizing action. The best time to apply is during May and September. Use $\frac{1}{4}$ to $\frac{1}{2}$ lb. per square yard. Directions with each bag. \$175 per ton, \$90 per $\frac{1}{2}$ ton, \$50 per $\frac{1}{4}$ ton, \$12.50 per 100 lbs., \$7 for 50 lbs., \$3.75 for 25 lbs., \$1.75 for 10 lbs.

GIANT

DARWIN TULIPS

ARIADNE

DREAM

KING HAROLD

PSYCHE

Stumpp & Walter Co

30 & 32 BARCLAY ST.
NEW YORK